



A Picture Book of Best Practices for Subsistence Farmers: East Asian version

September 2016

Manish N. Raizada, Ph.D.

University of Guelph

Illustrations by Lisa Smith

University of Guelph



Global Affairs
Canada

Affaires mondiales
Canada

IDRC
International Development
Research Centre



CRDI
Centre de recherches pour le
développement international

About the Author



Manish N. Raizada received his B.Sc. from the University of Western Ontario (Genetics) and Ph.D. from Stanford University (Plant Molecular Genetics). He held fellowship positions at The International Maize and Wheat Improvement Centre (CIMMYT) in Mexico City and at the California Institute of Technology. He is currently a professor in the Department of Plant Agriculture at the University of Guelph, Canada. Dr. Raizada is Founder of SAKGlobal (SAKs, Sustainable Agriculture Kits), an effort to bring inexpensive technologies to the world's 1 billion subsistence farmers. SAK kits are based on the principles of sustainable, ecological agriculture.

Manish can be contacted by email at raizada@uoguelph.ca

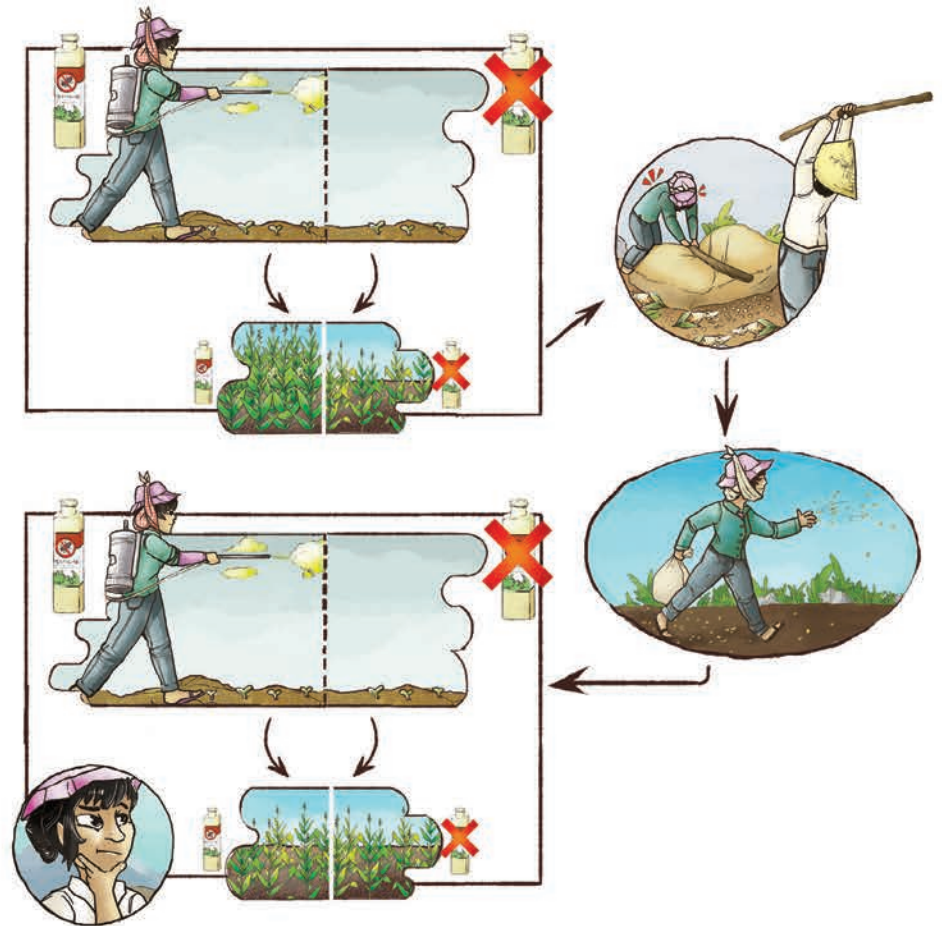
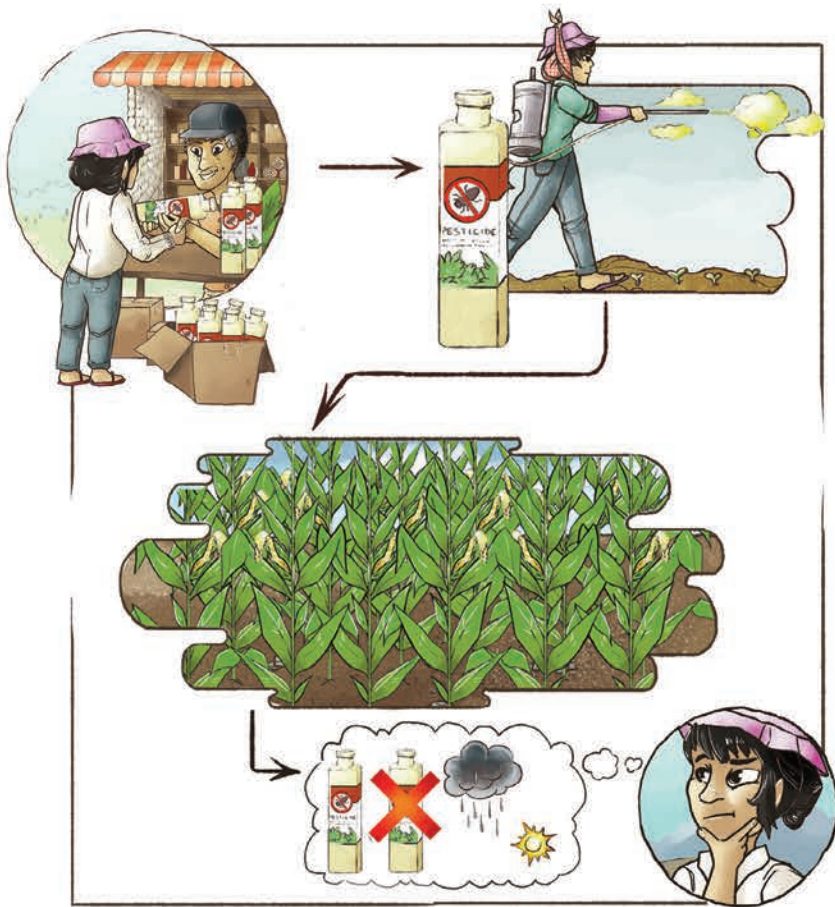
About the Illustrator

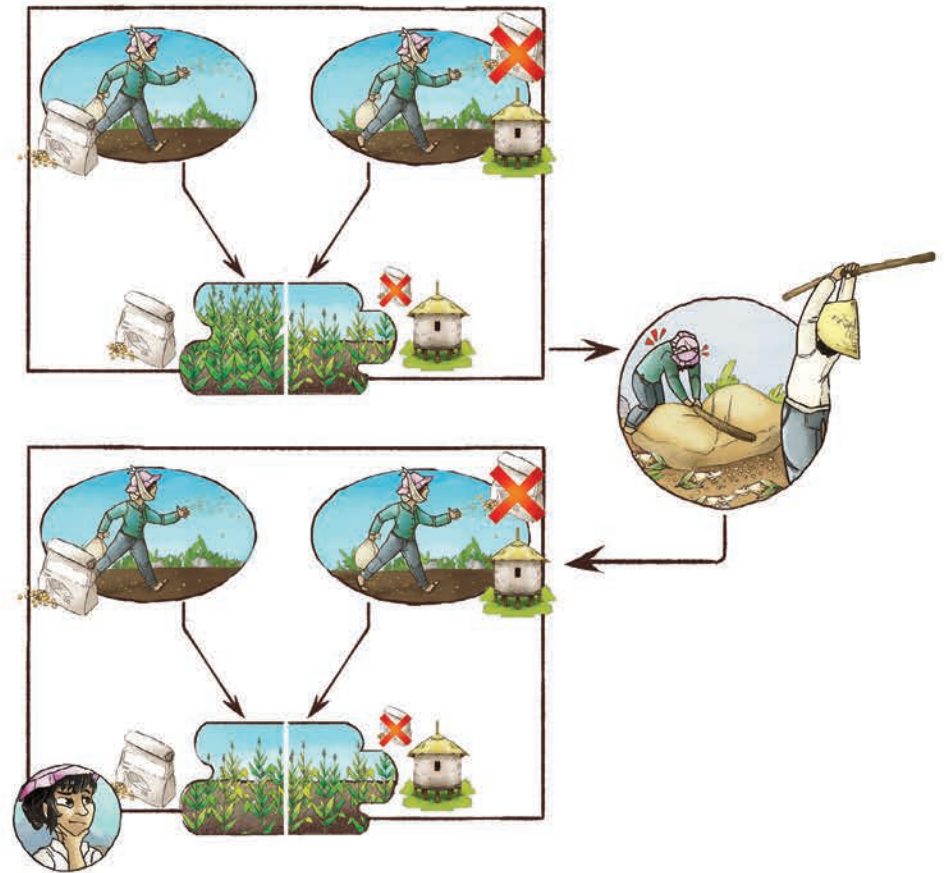
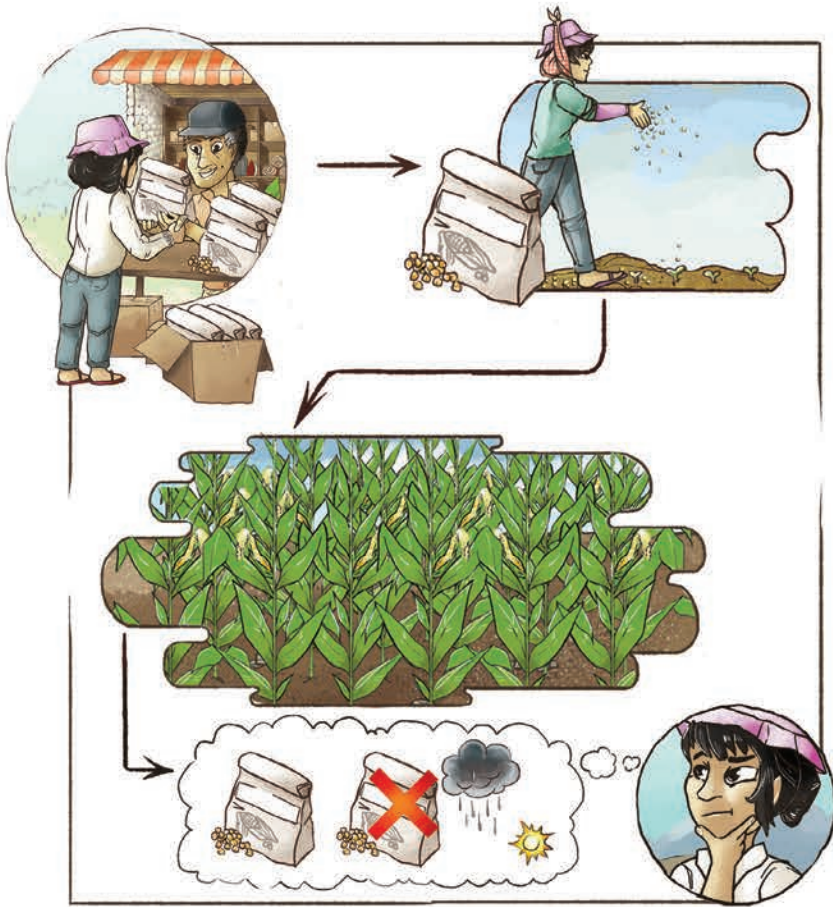


Lisa J. Smith graduated from the Graphic Design Diploma program at Conestoga College in Kitchener, Ontario, Canada in 2014, with her main focus in illustration. In early 2015, Lisa was selected as part of a national competition onto the SAKGlobal team as the illustrator for the picture book along with other illustrated materials. She has created illustrations related to microbiology, genetics, botany, agriculture and international development for scientific journals and presentations during her time with the University of Guelph.

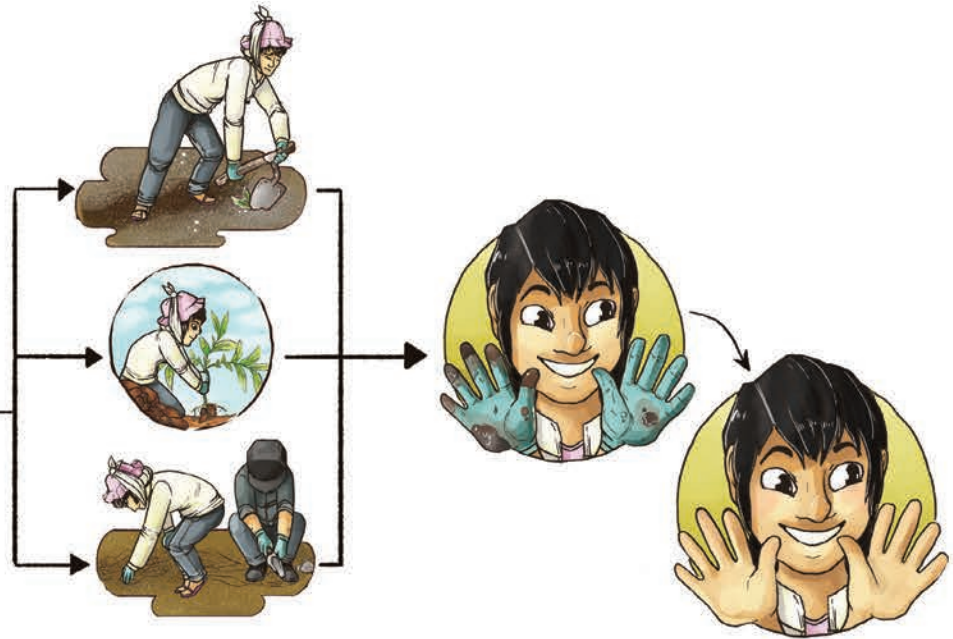
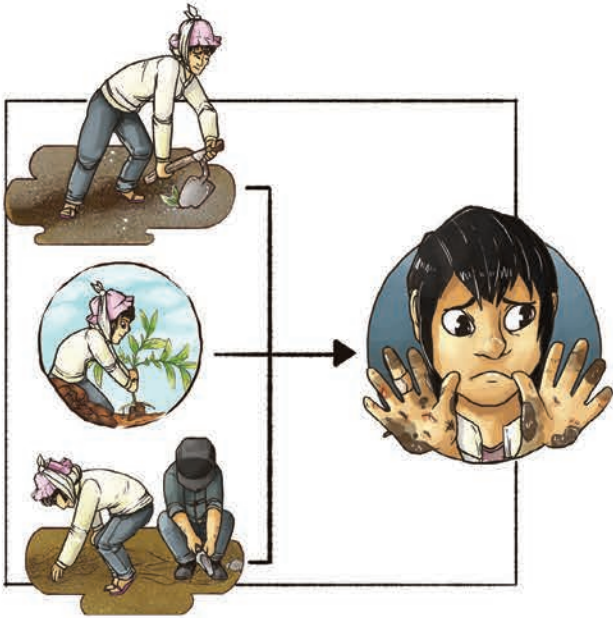
Lisa can be contacted by email at smithjaylisa@gmail.com

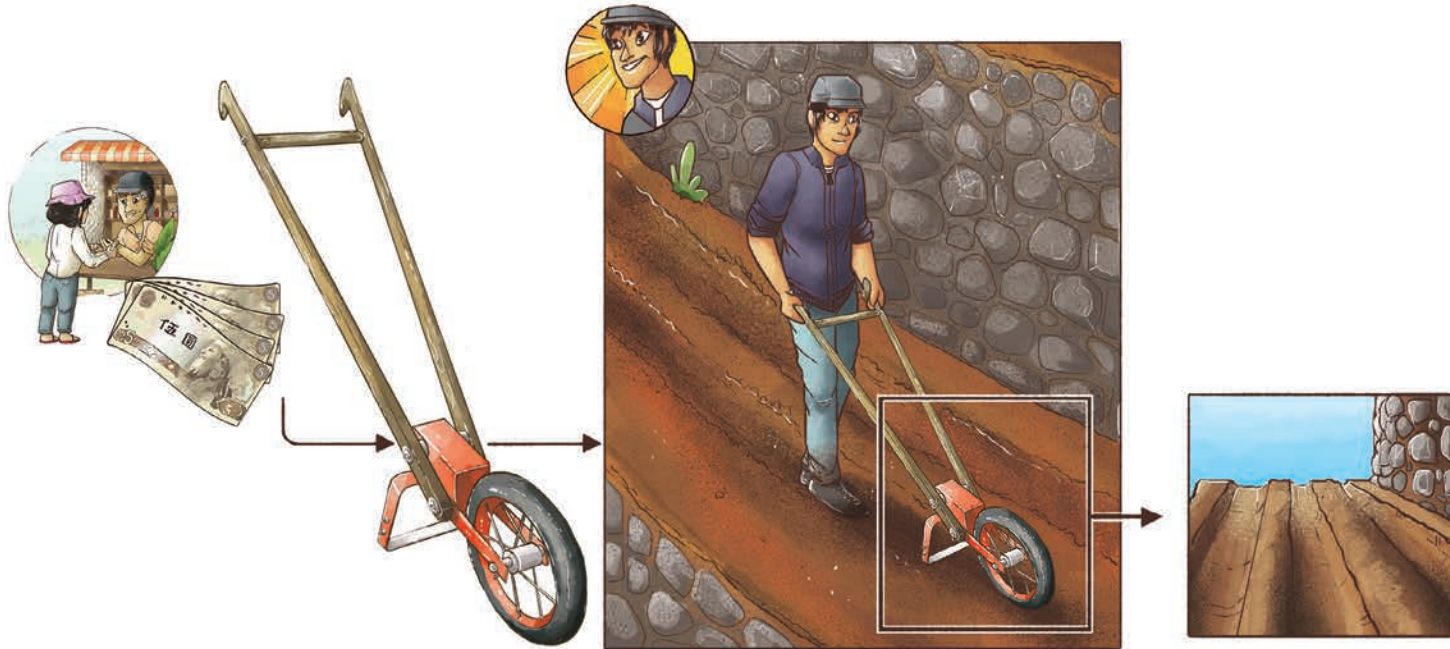
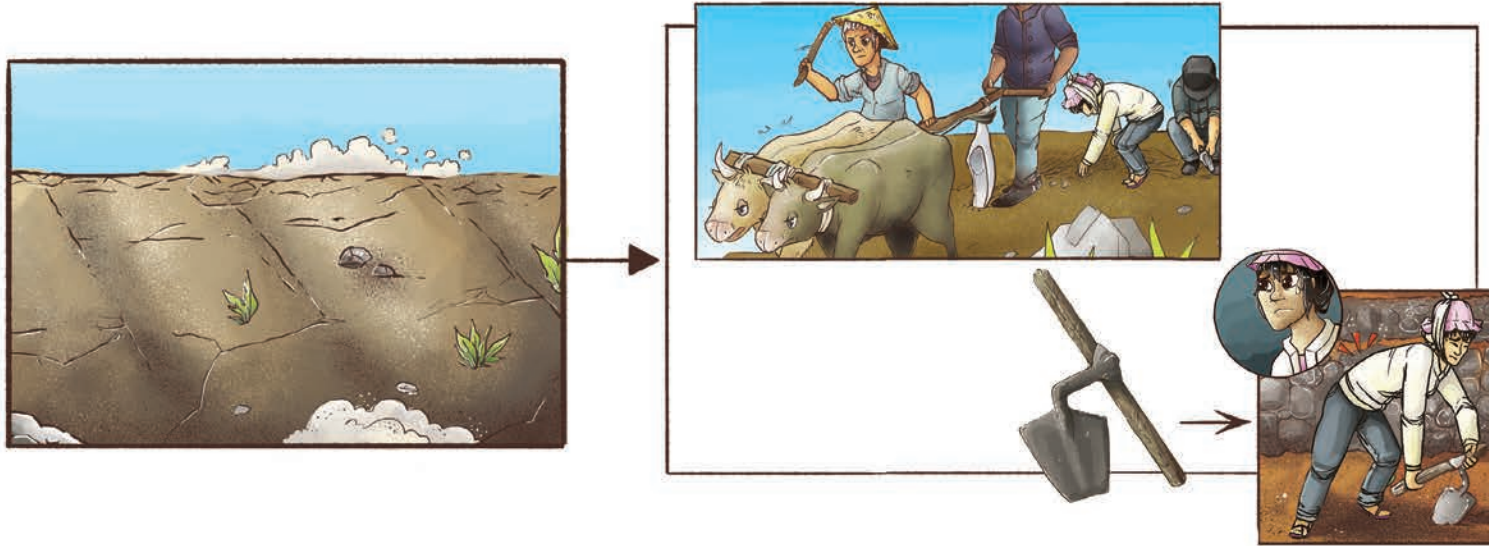
Chapter 1: Scientific Method

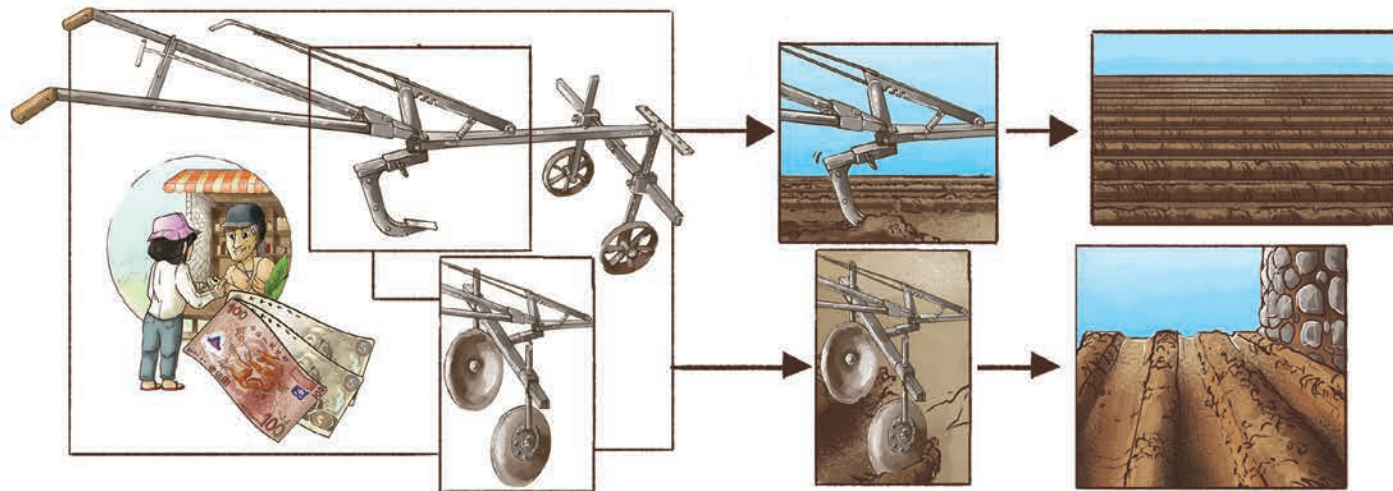
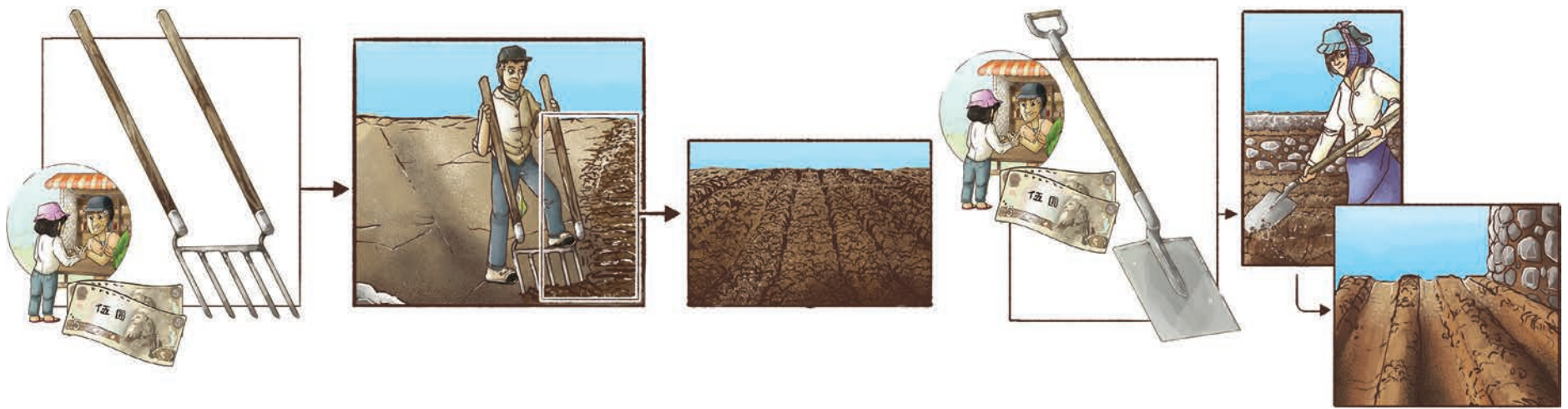


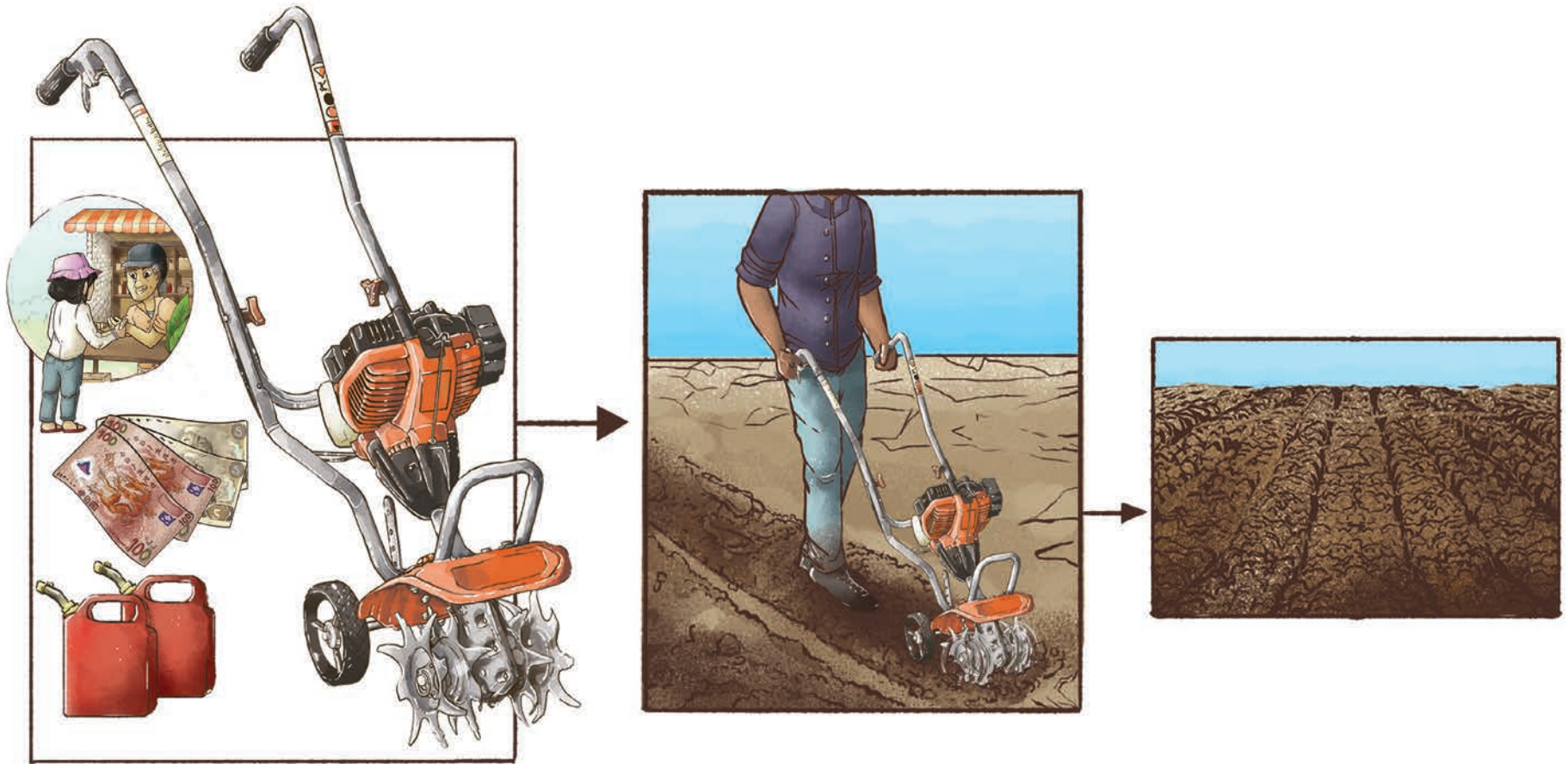


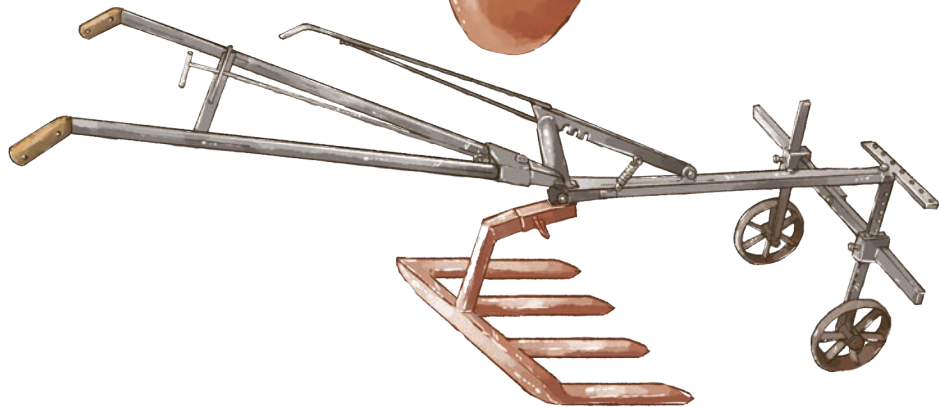
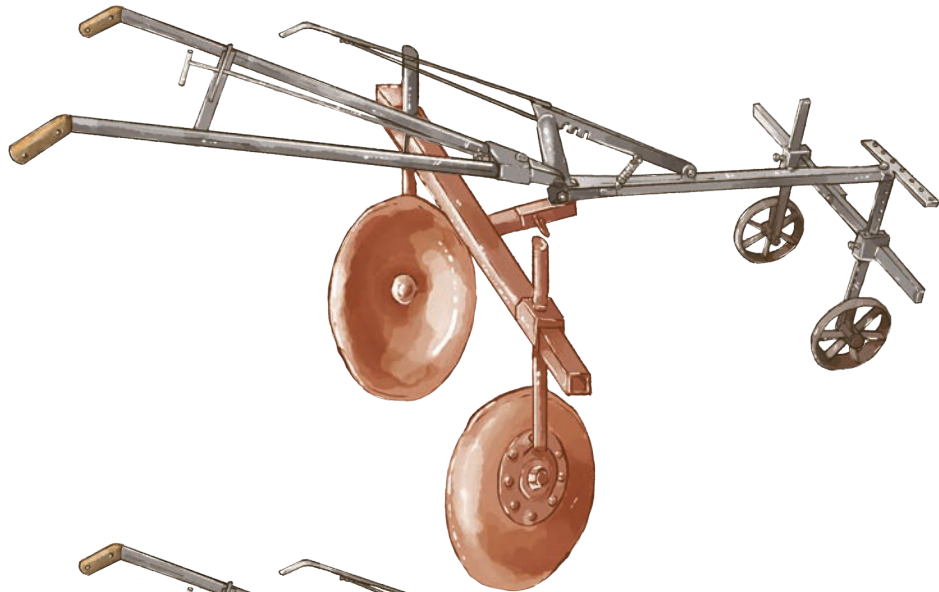
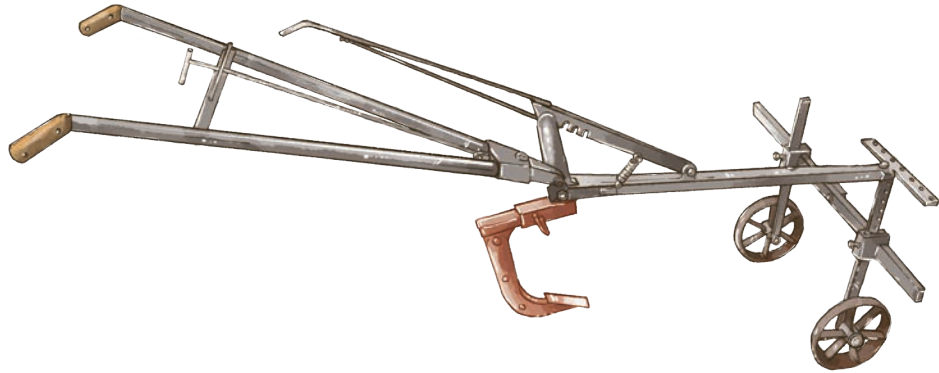
Chapter 2: Land Preparation & Sowing

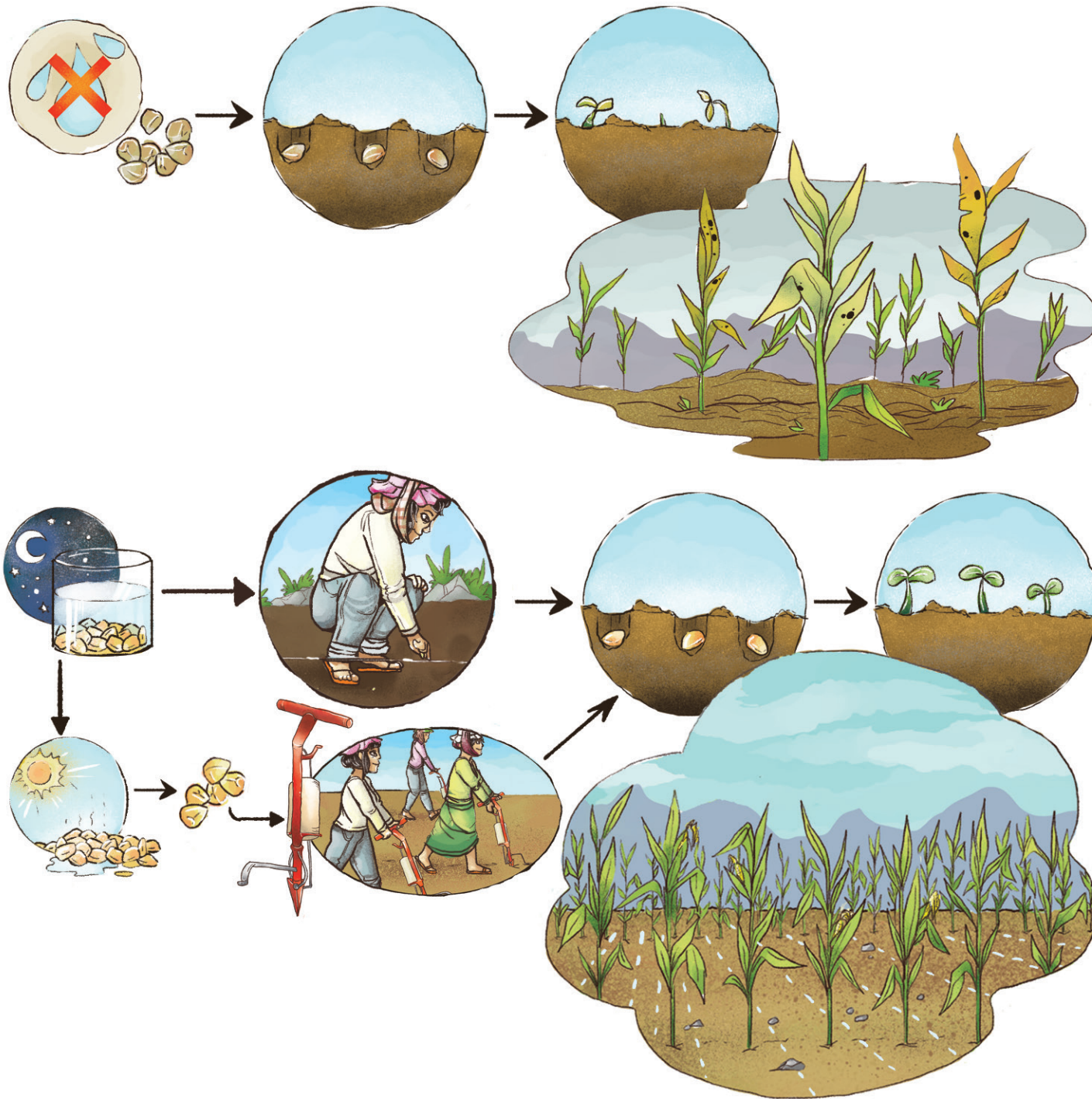




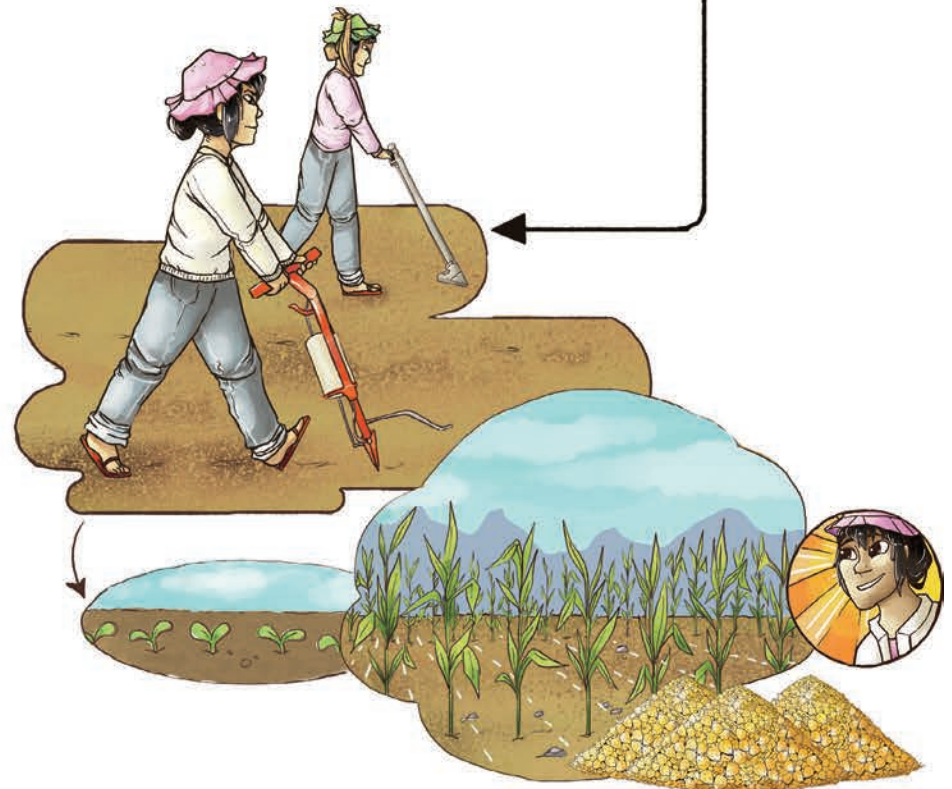
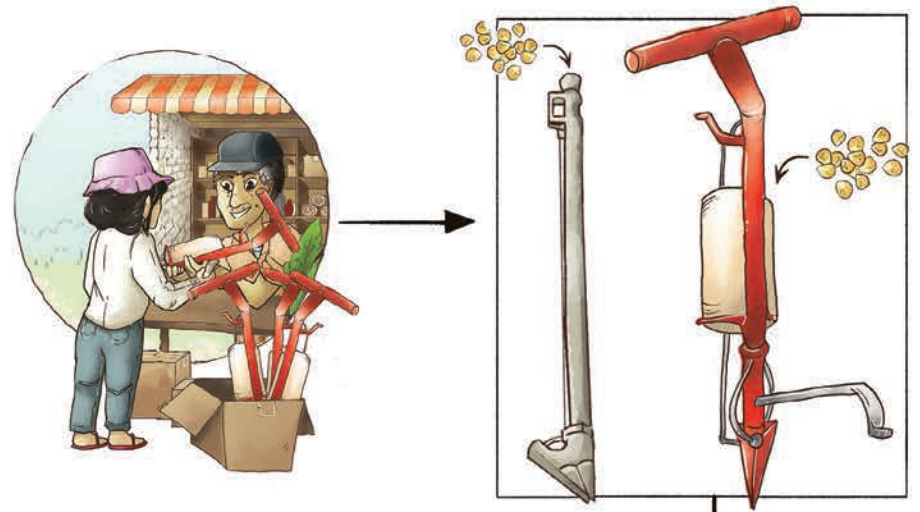
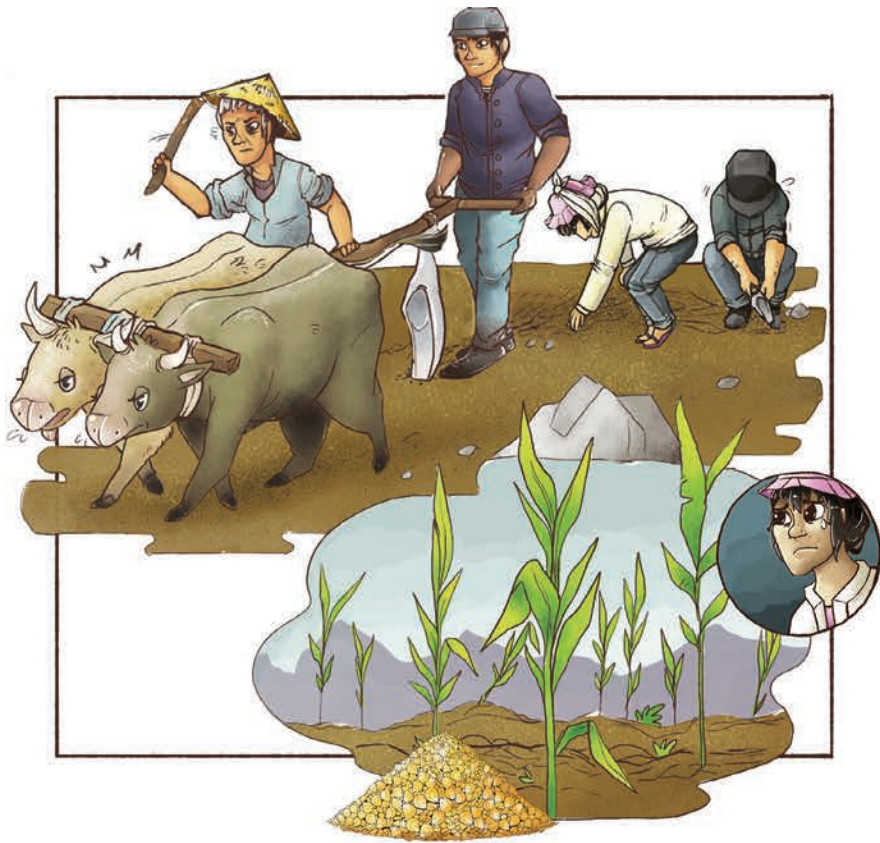


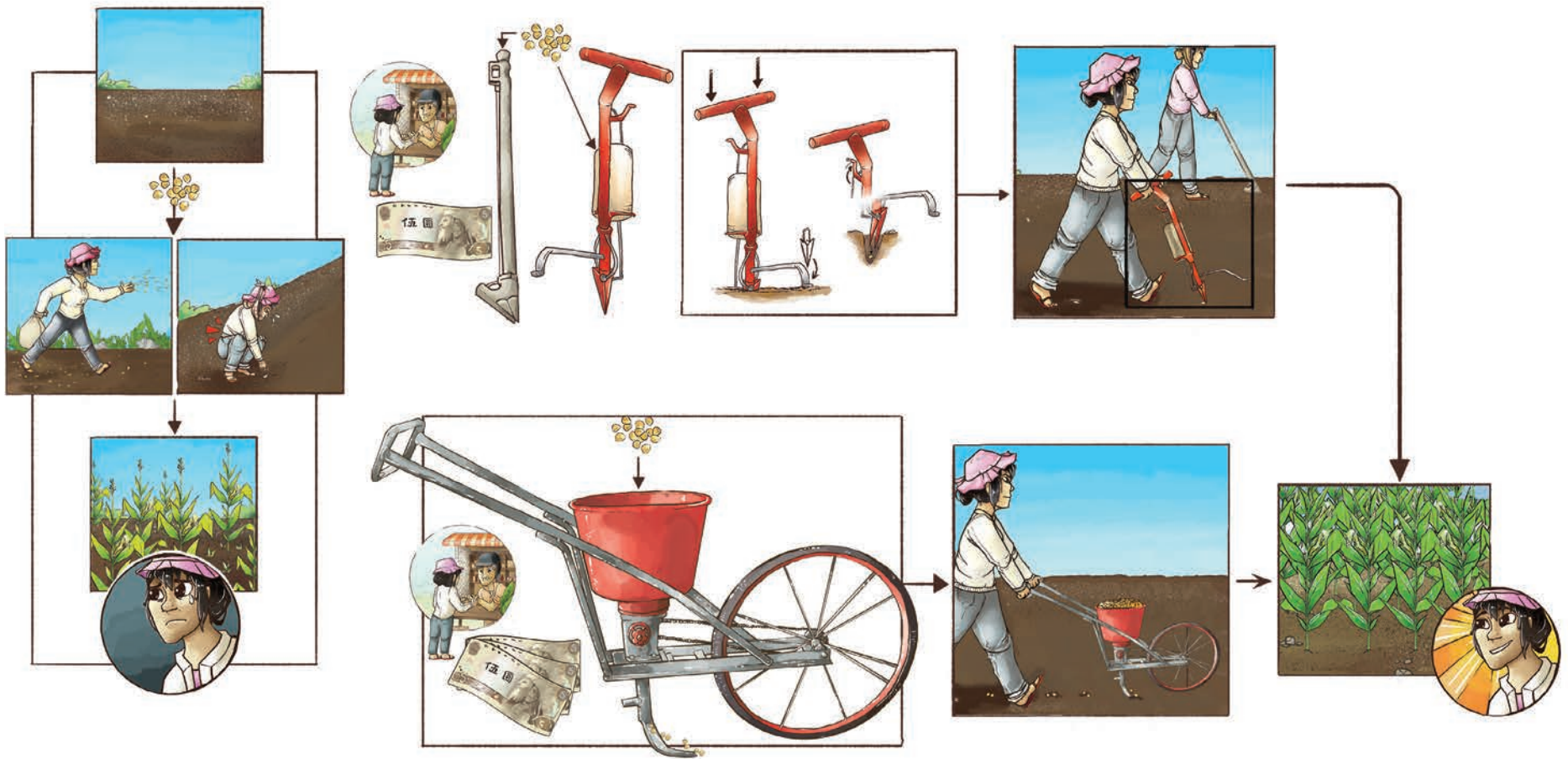


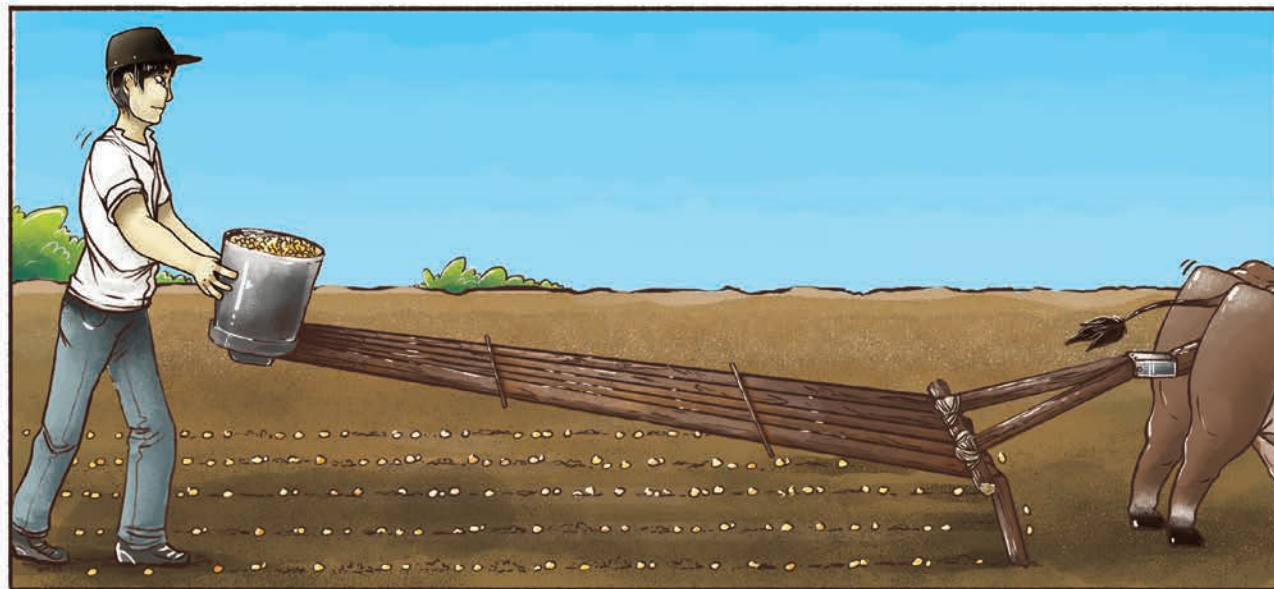
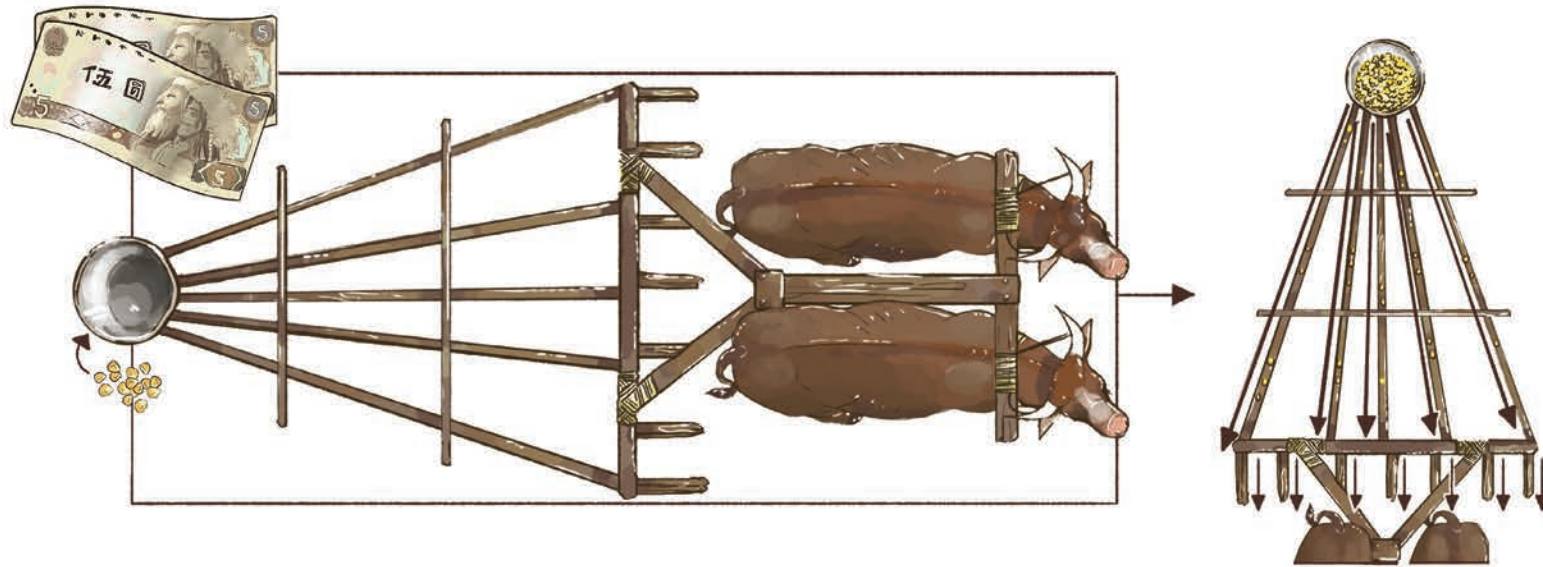


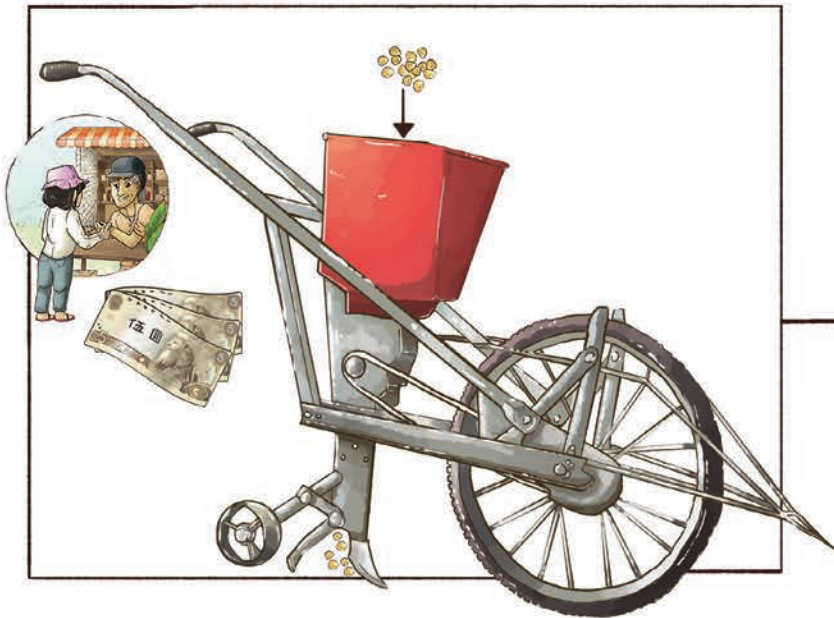
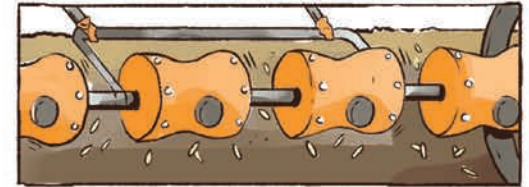
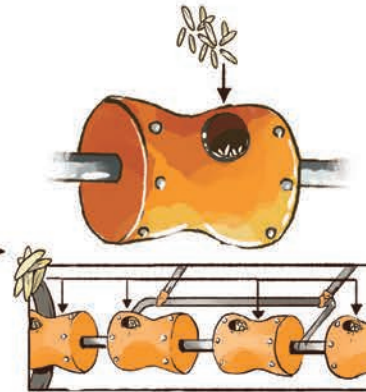
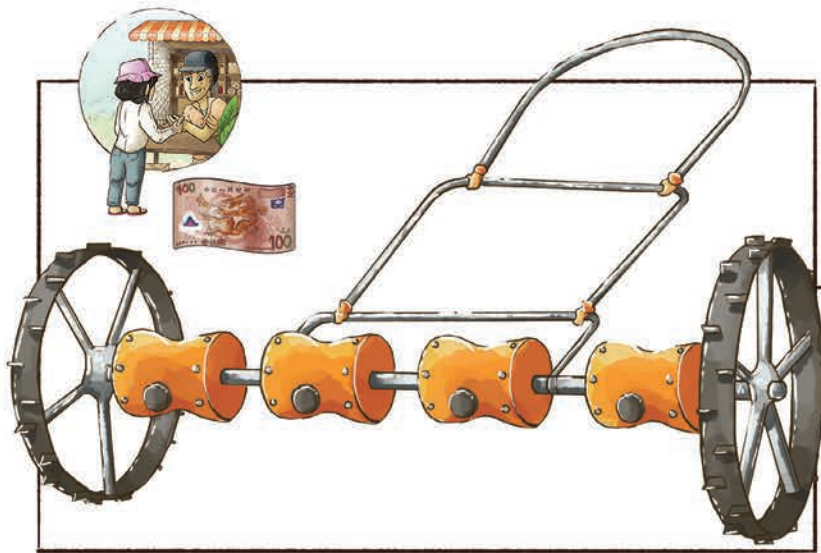


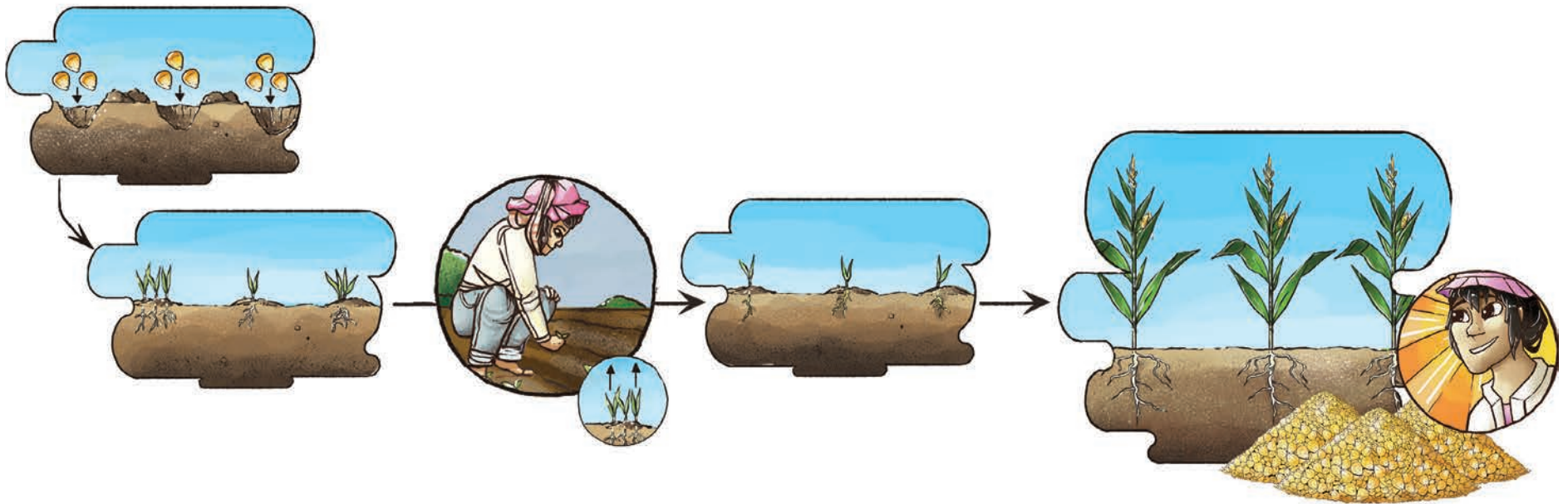
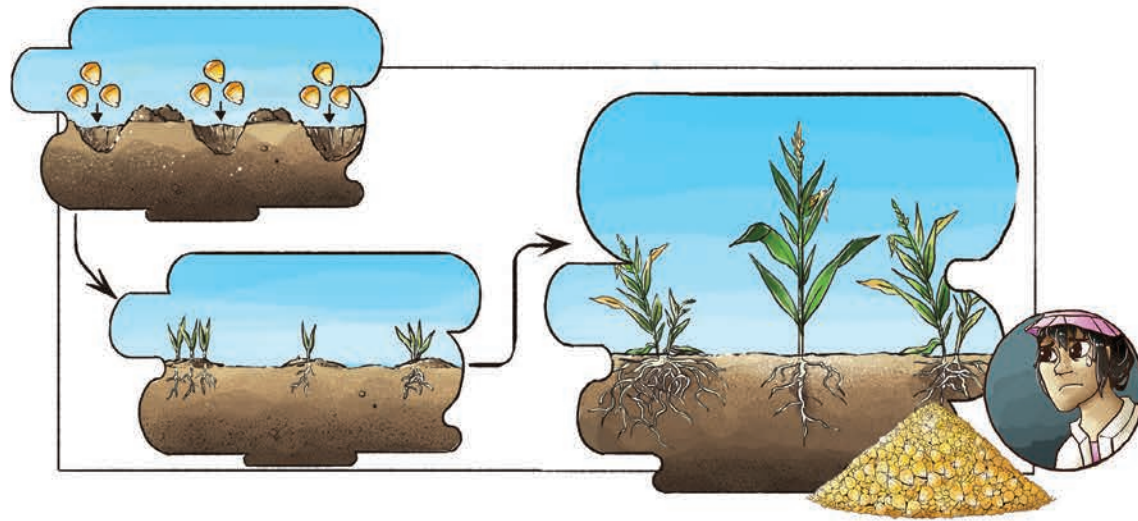


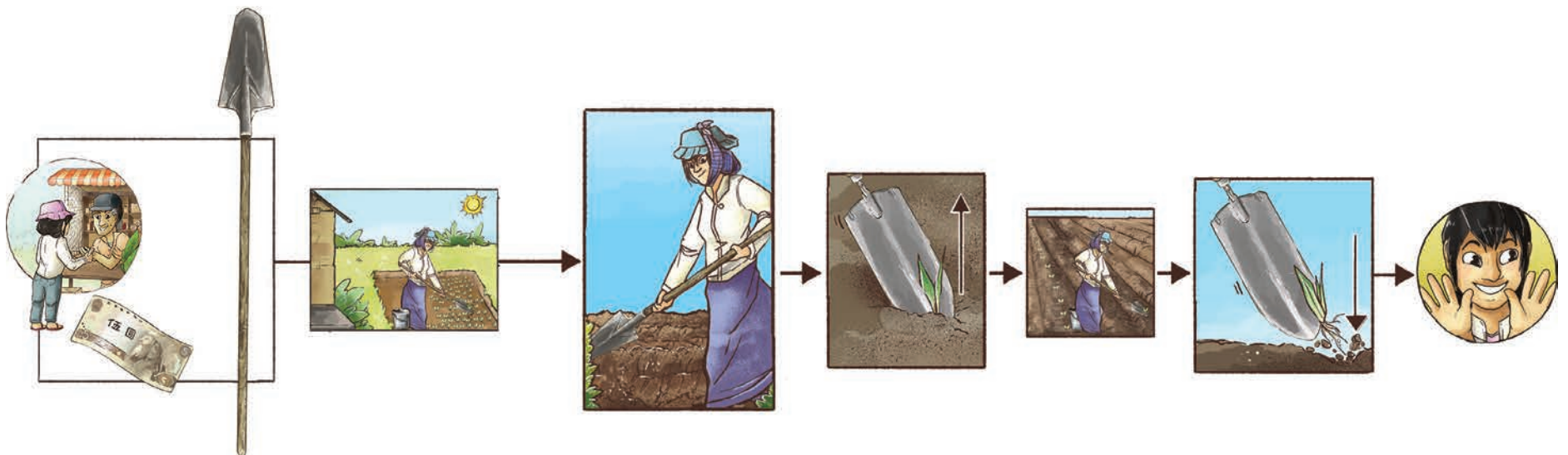
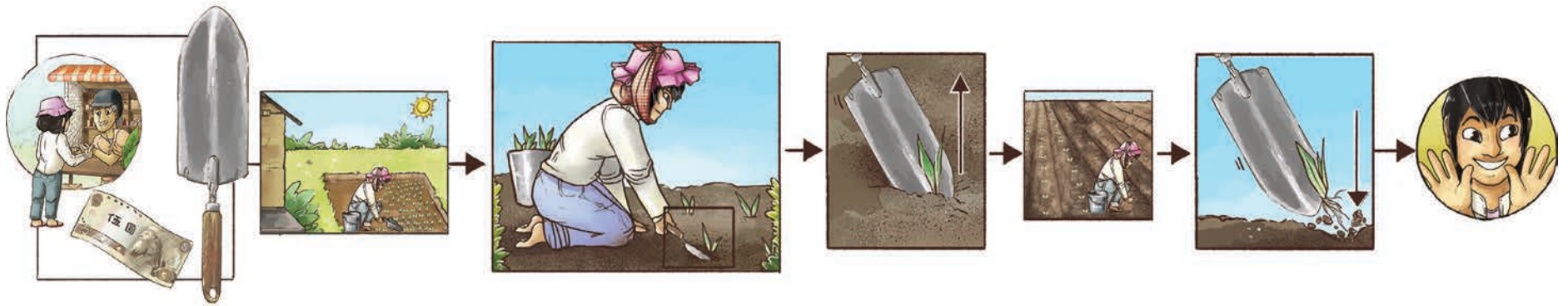


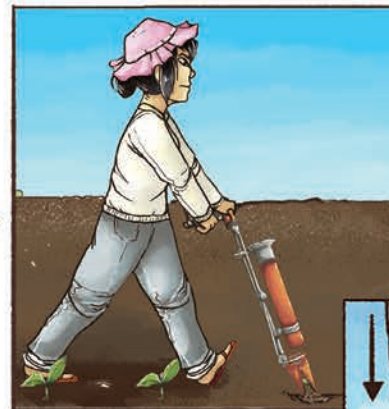
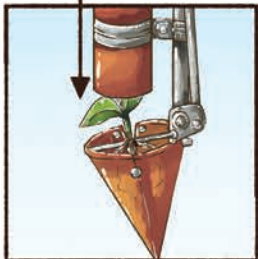
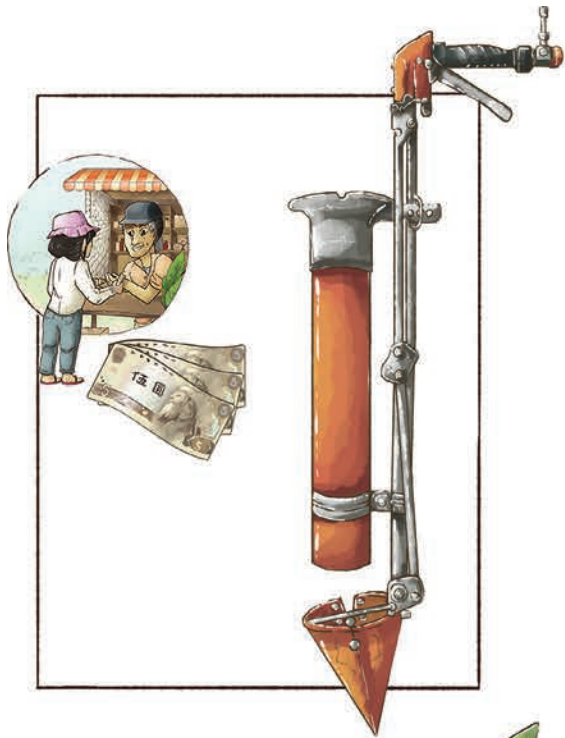


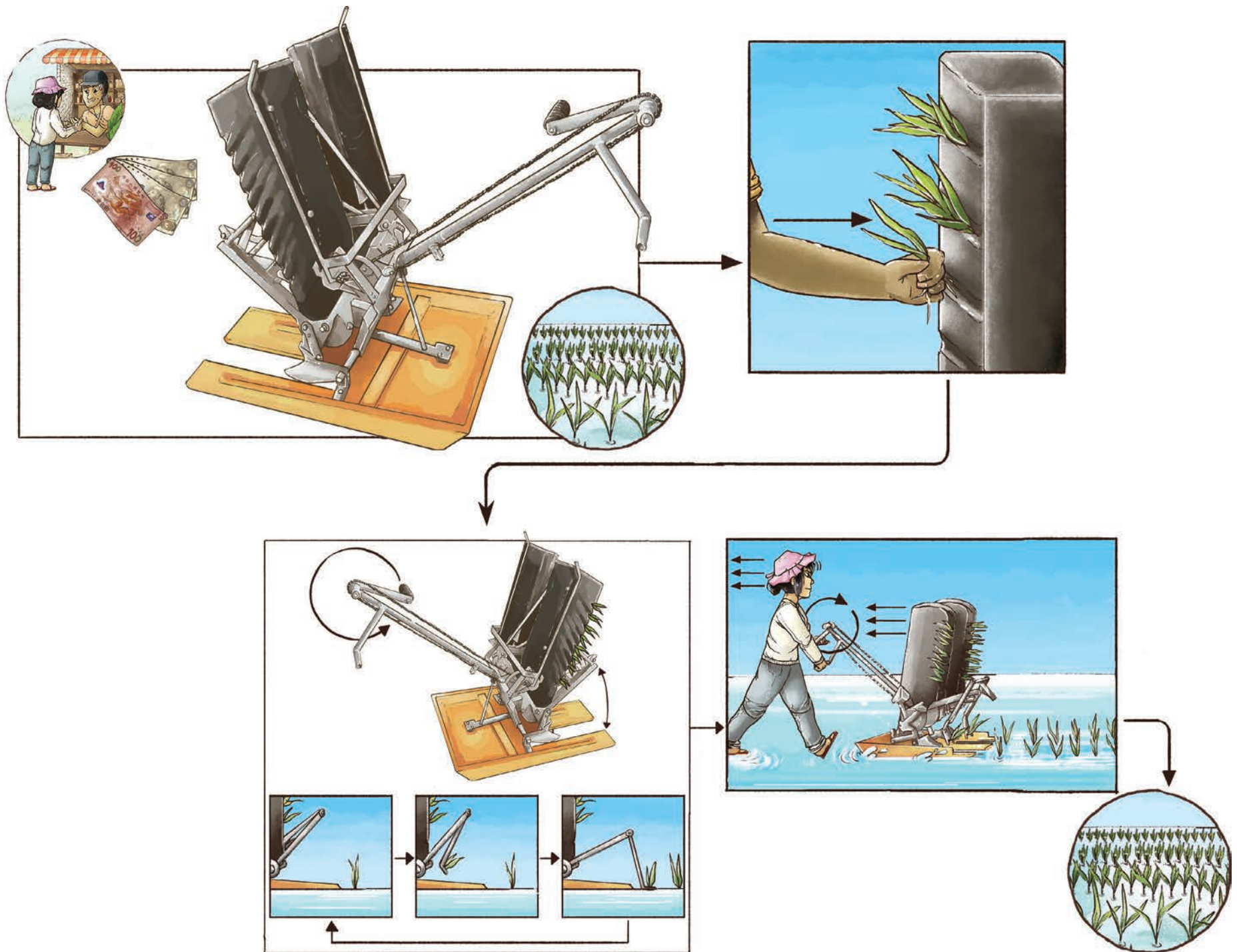


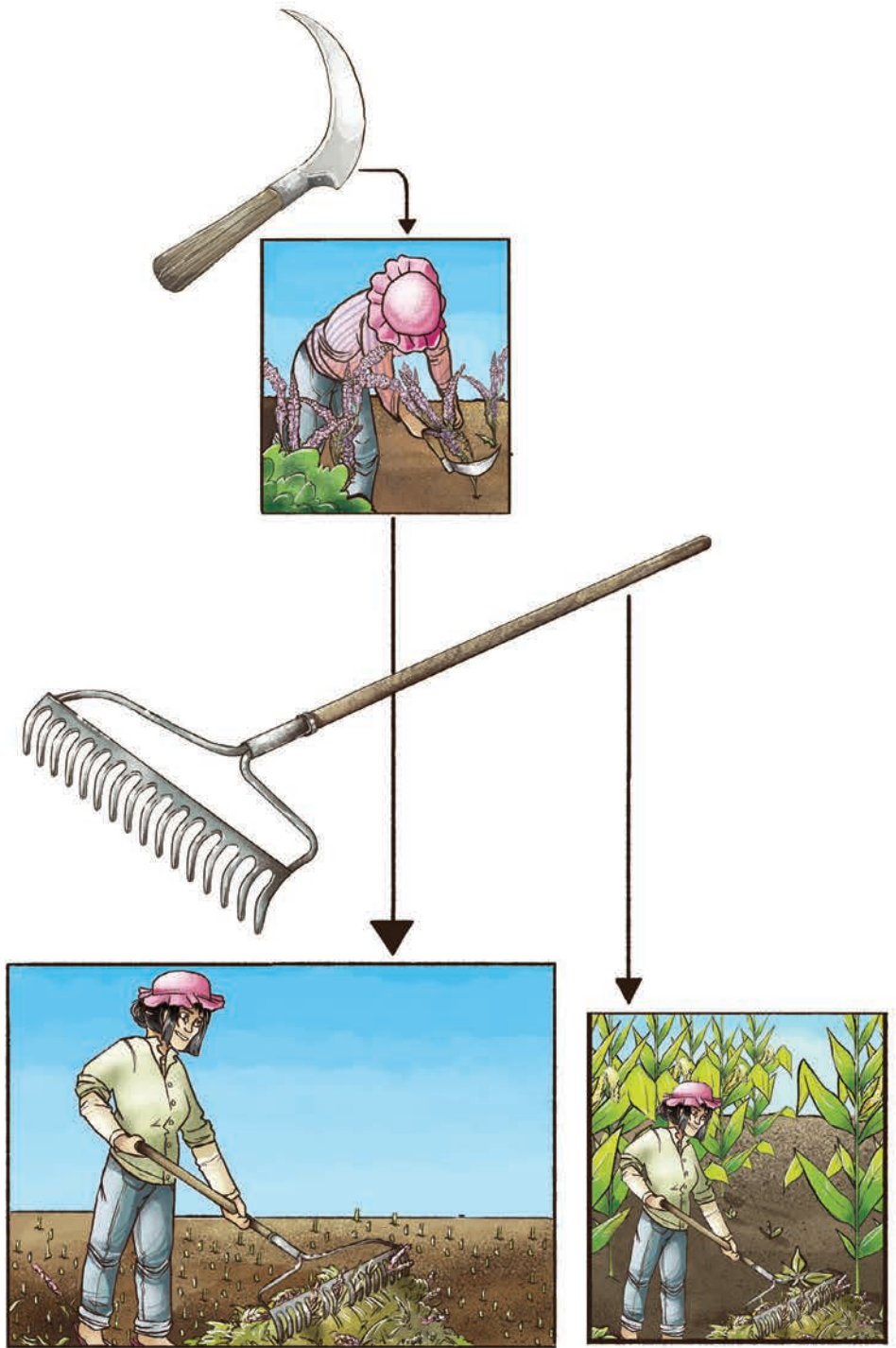
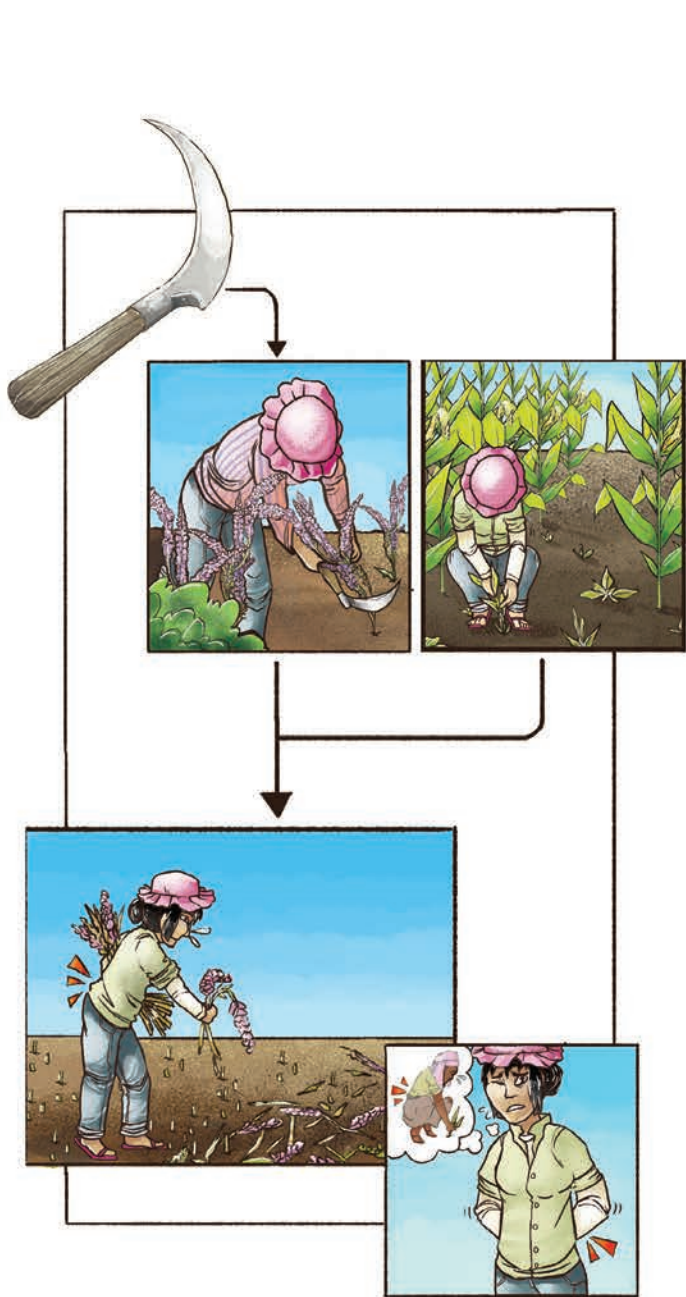


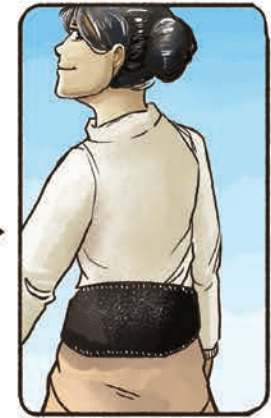
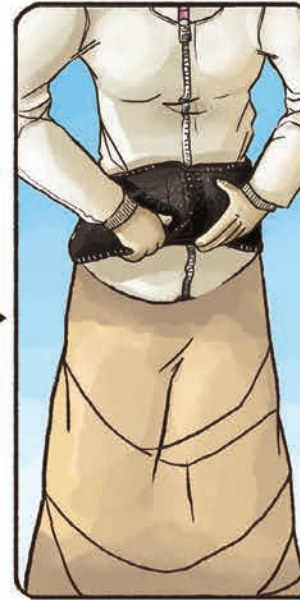
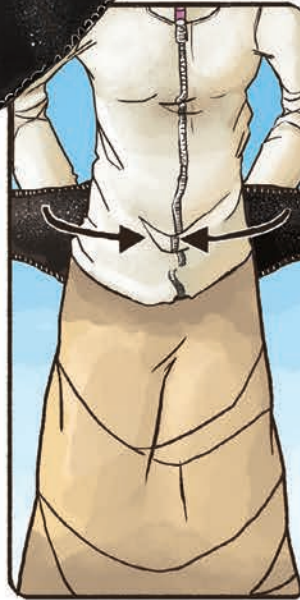




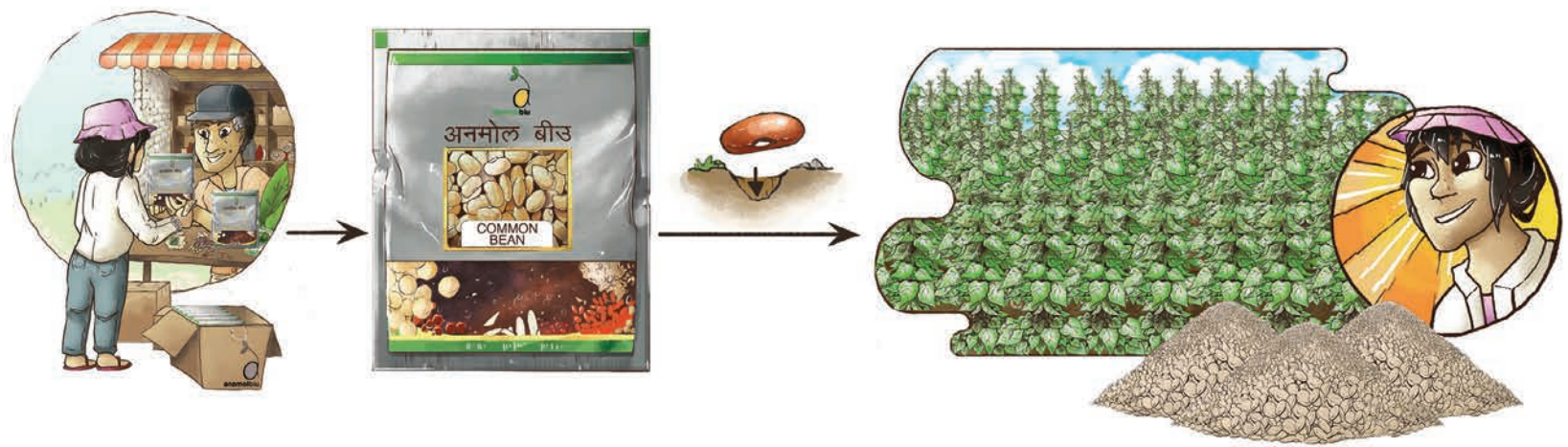
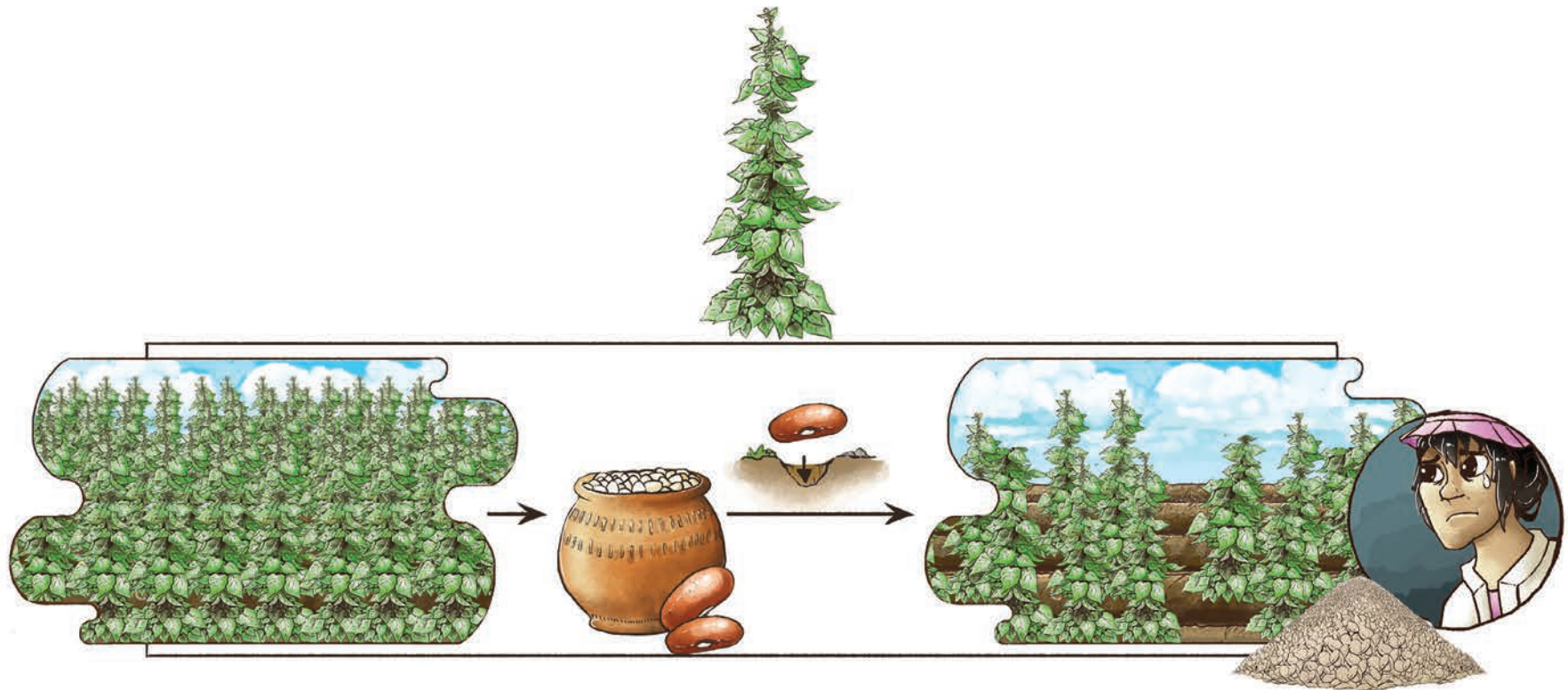


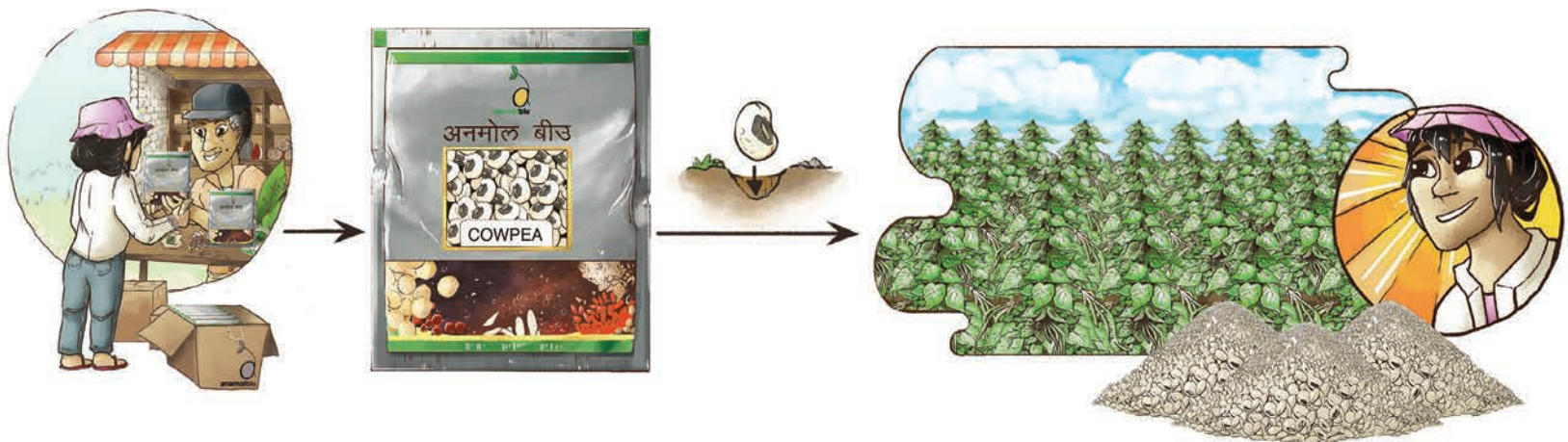
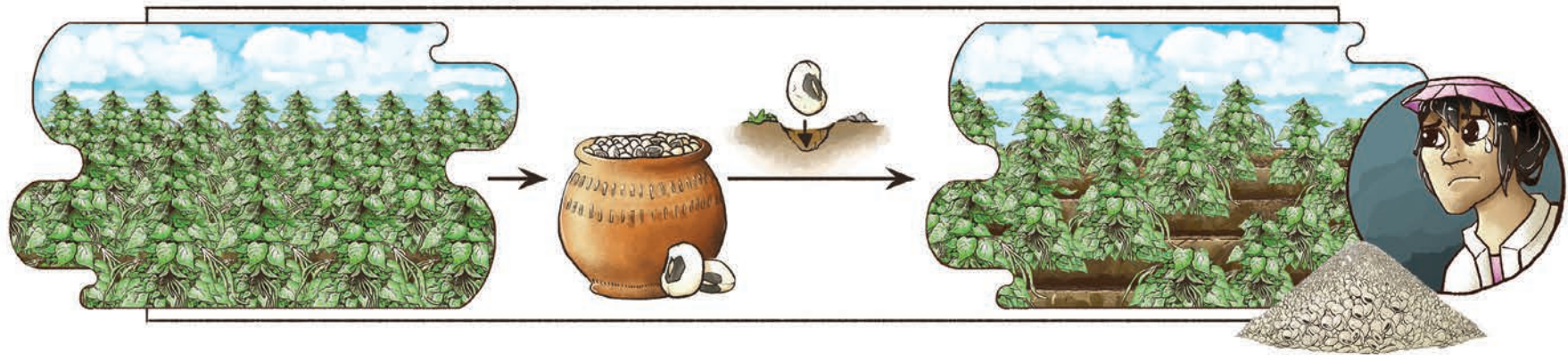


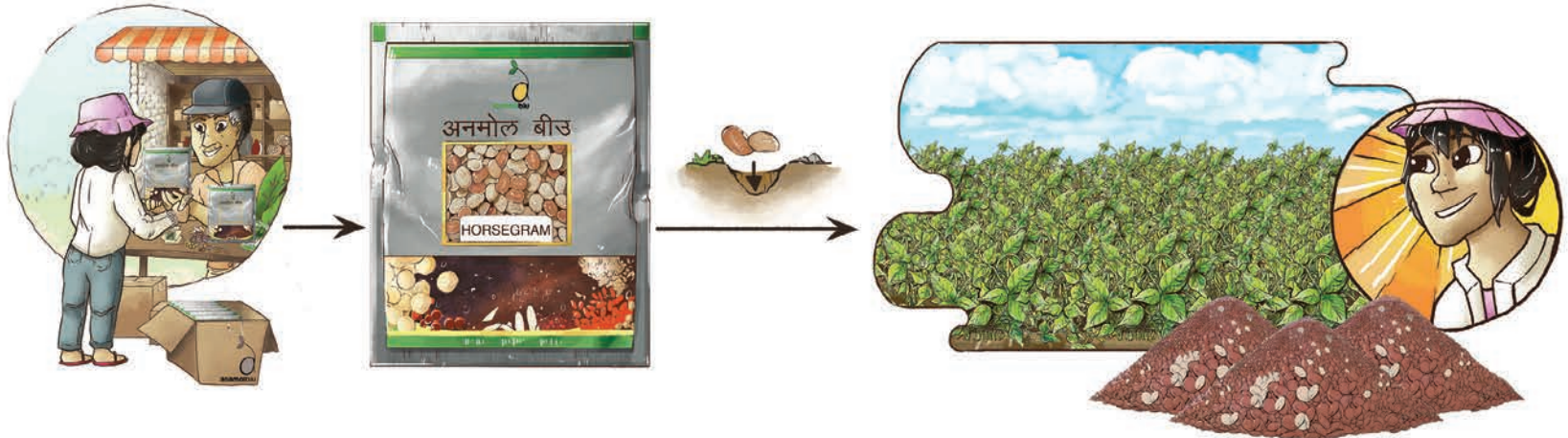
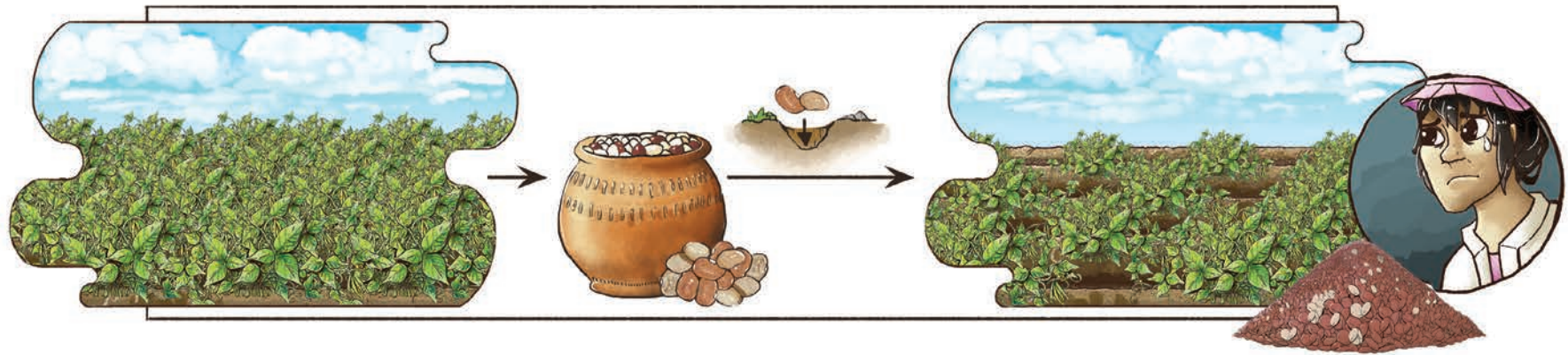


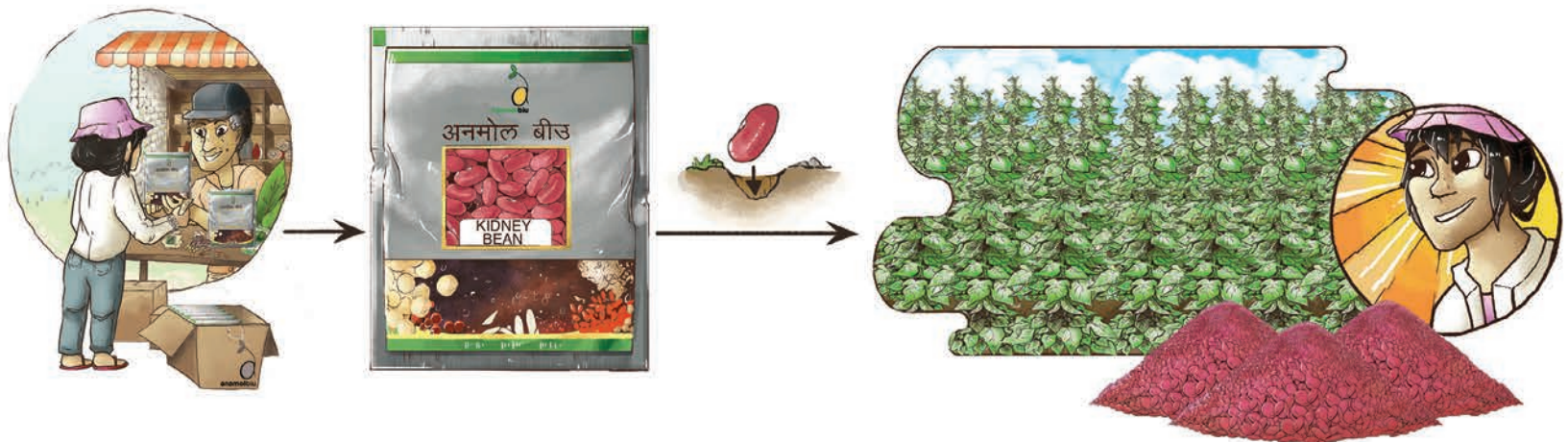
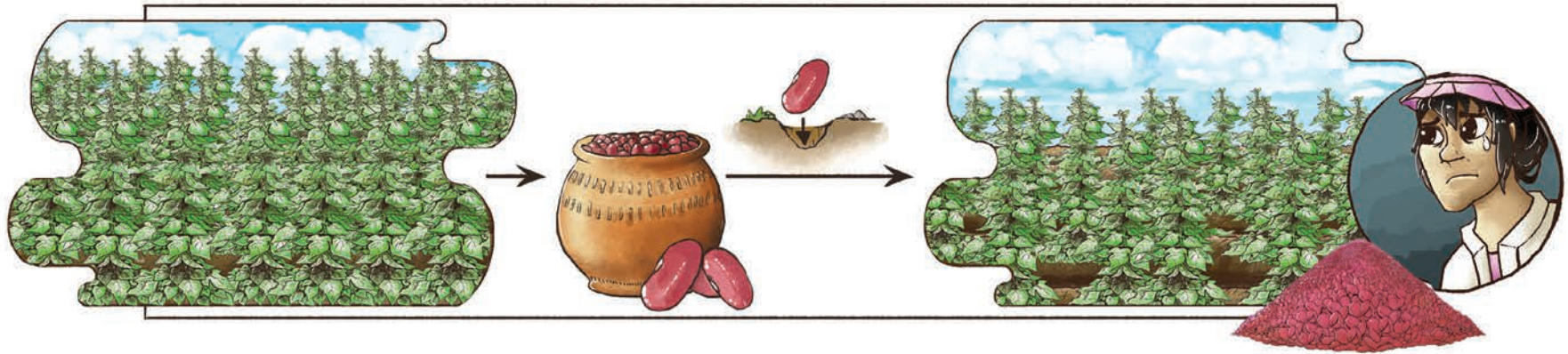


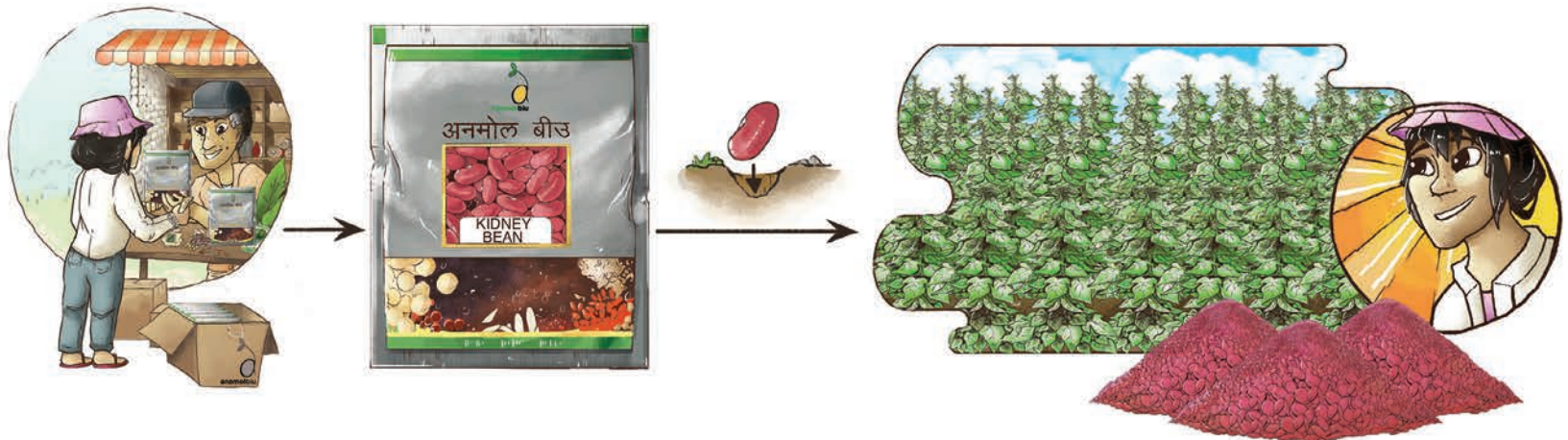
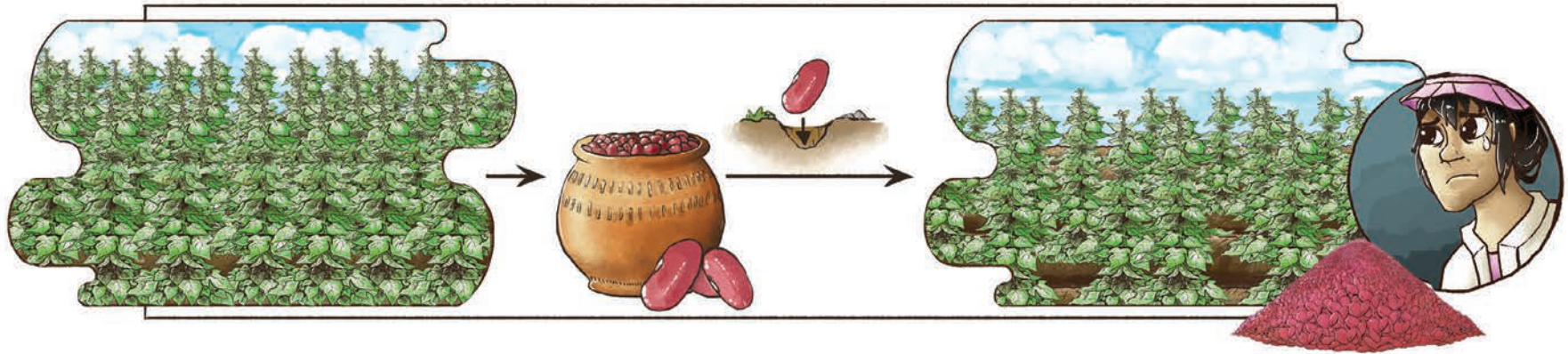
Chapter 3: Crop & Tree Intensification

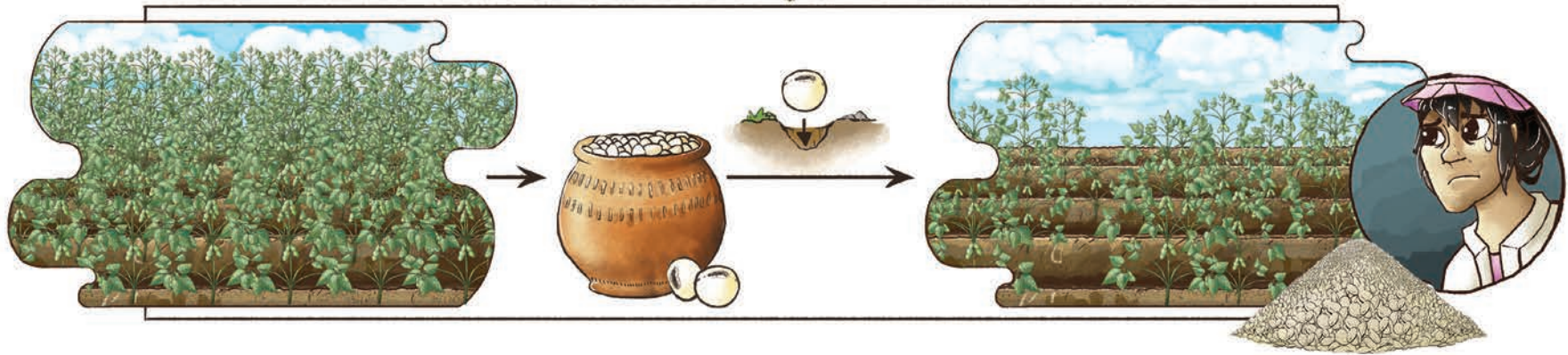


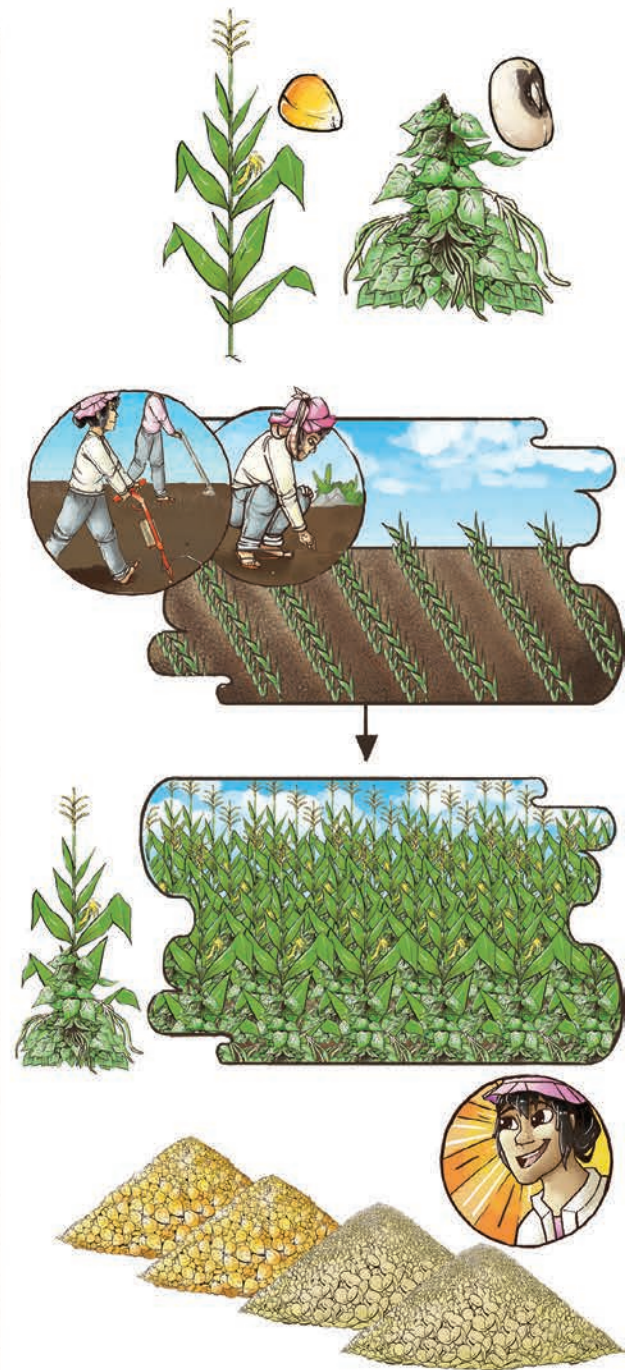
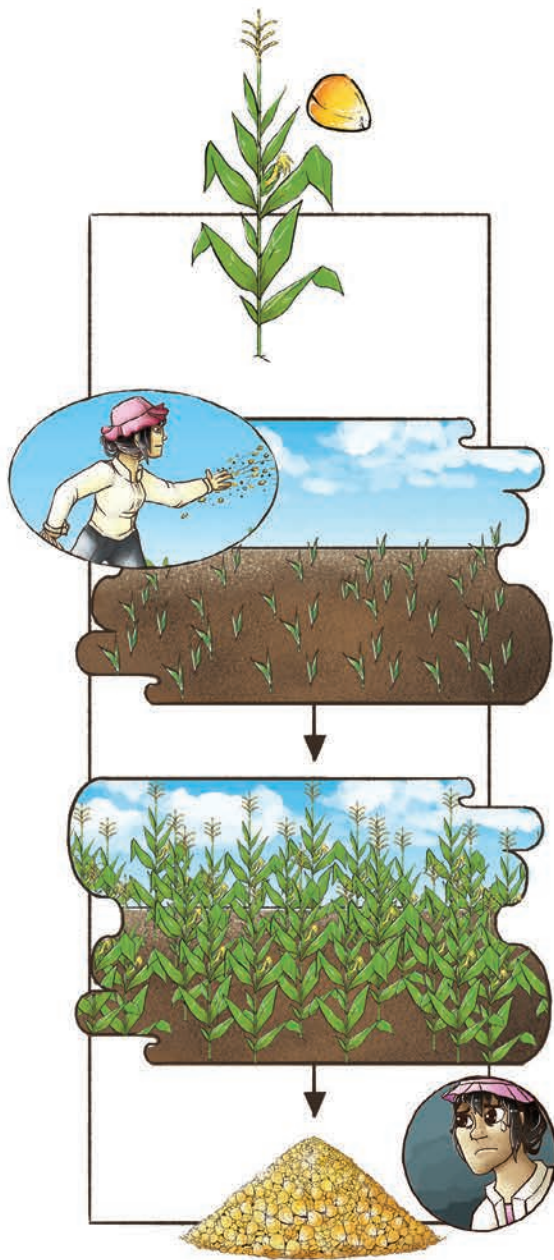


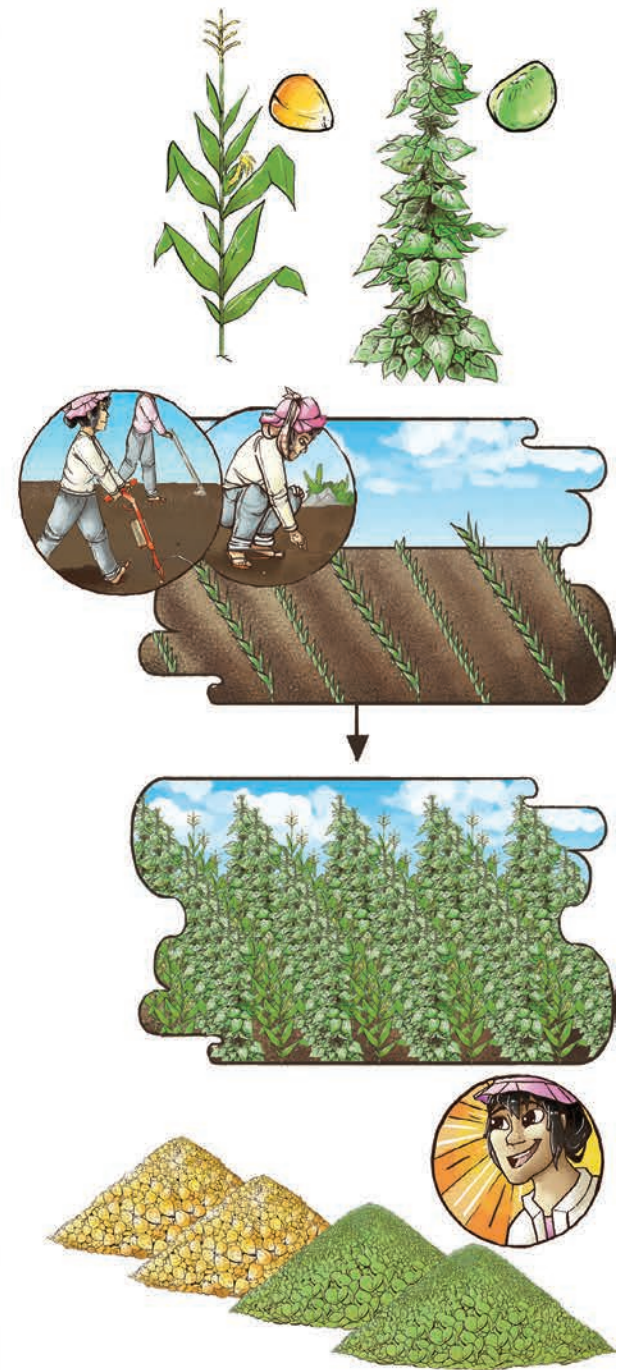
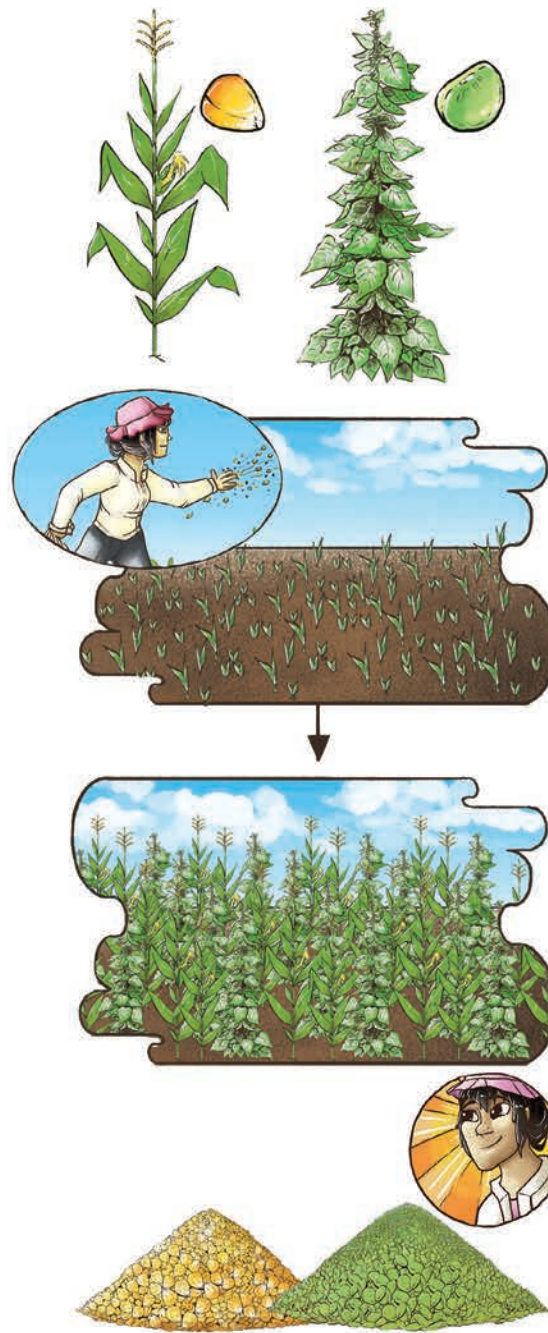
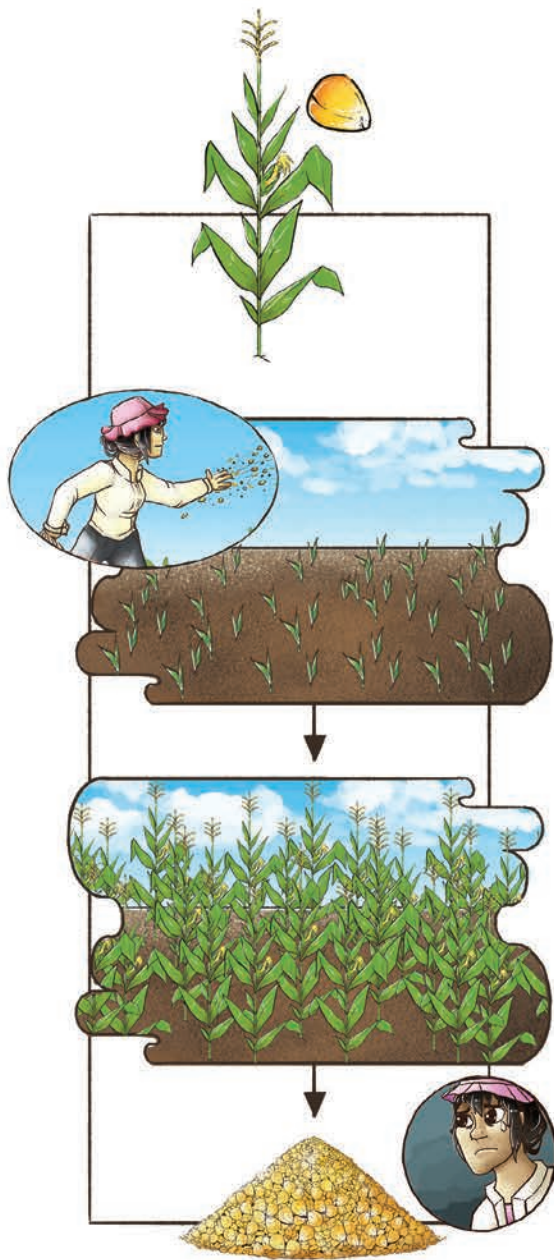


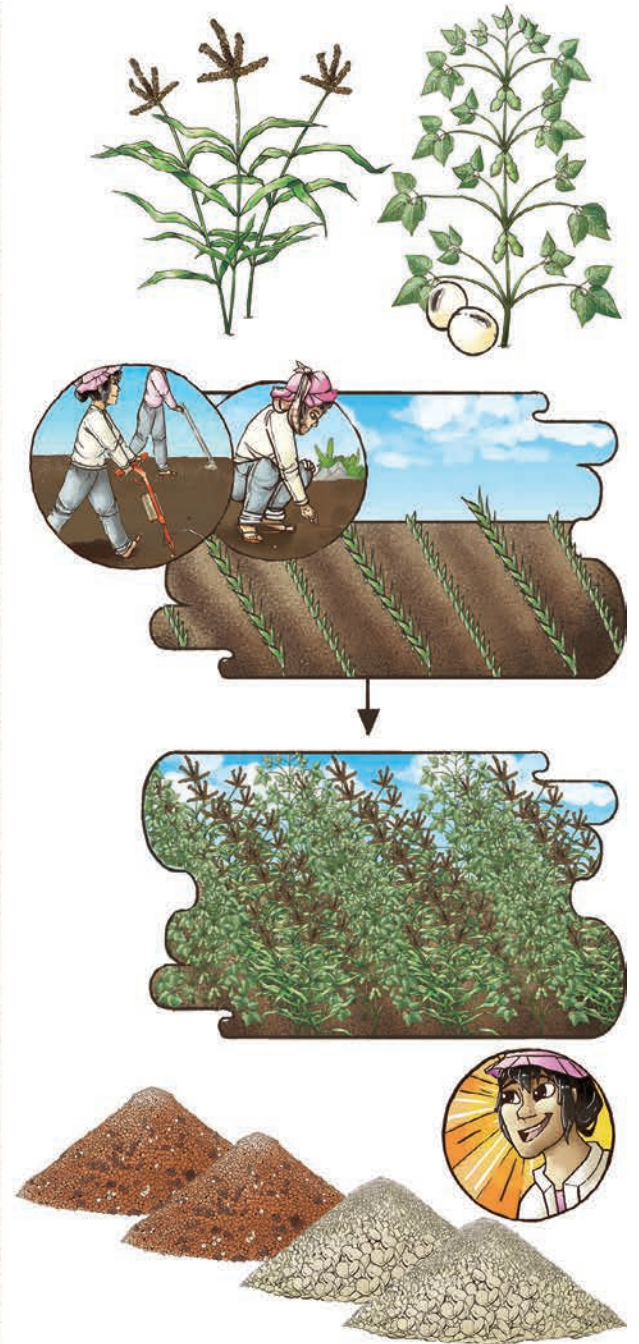
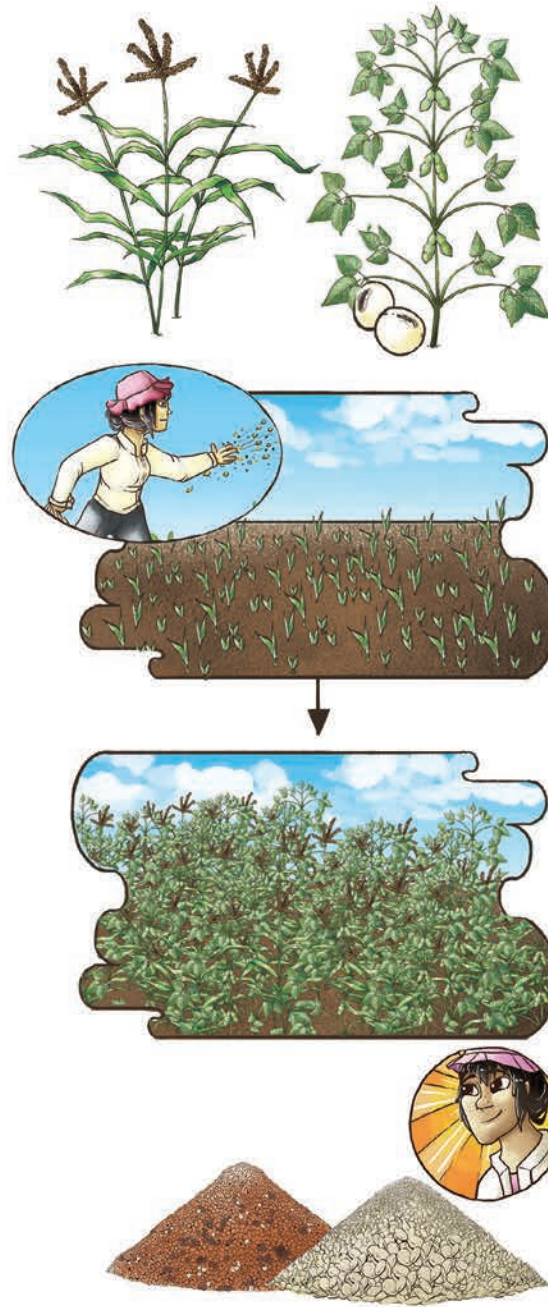
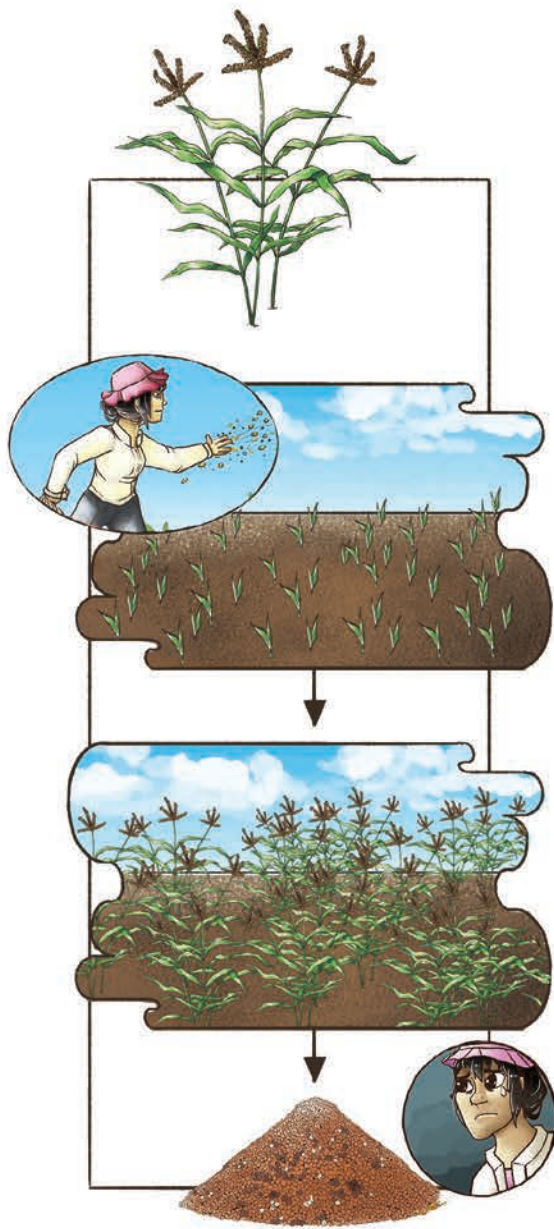


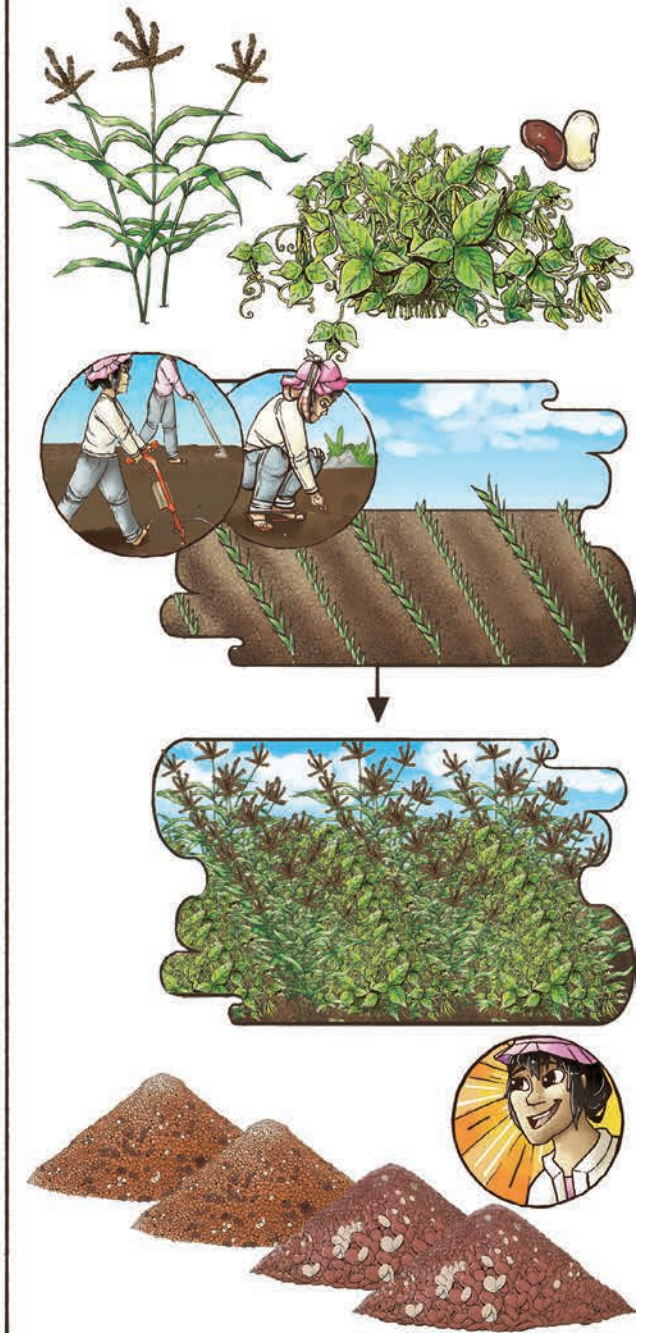
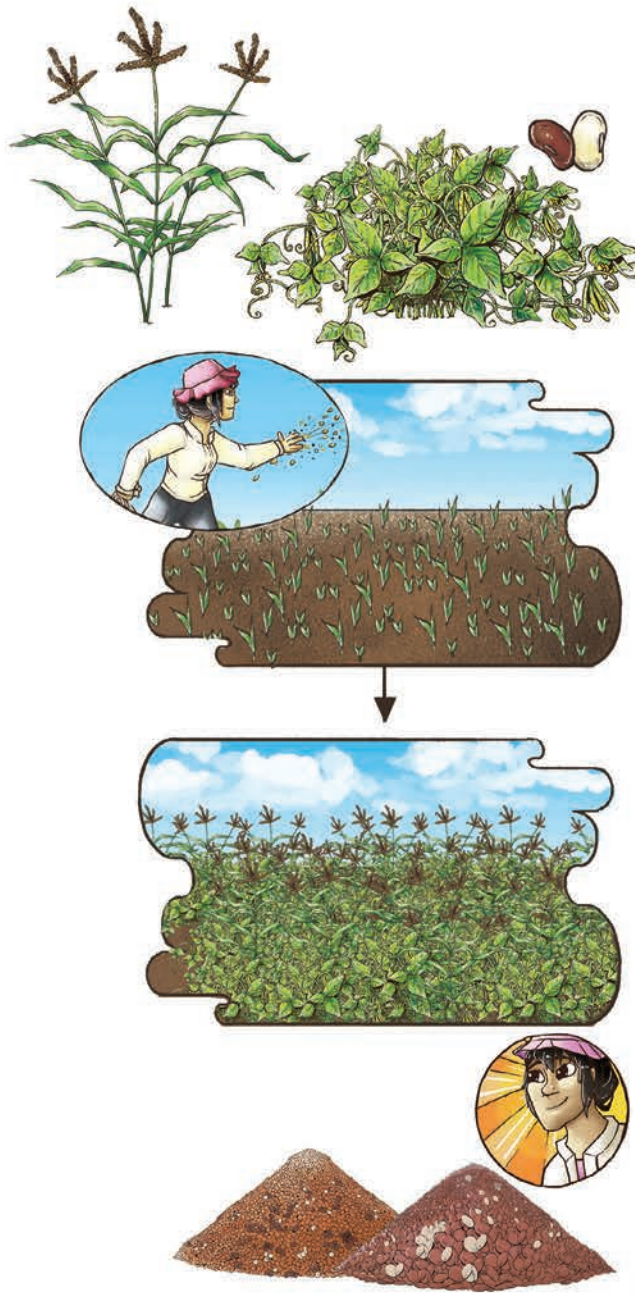
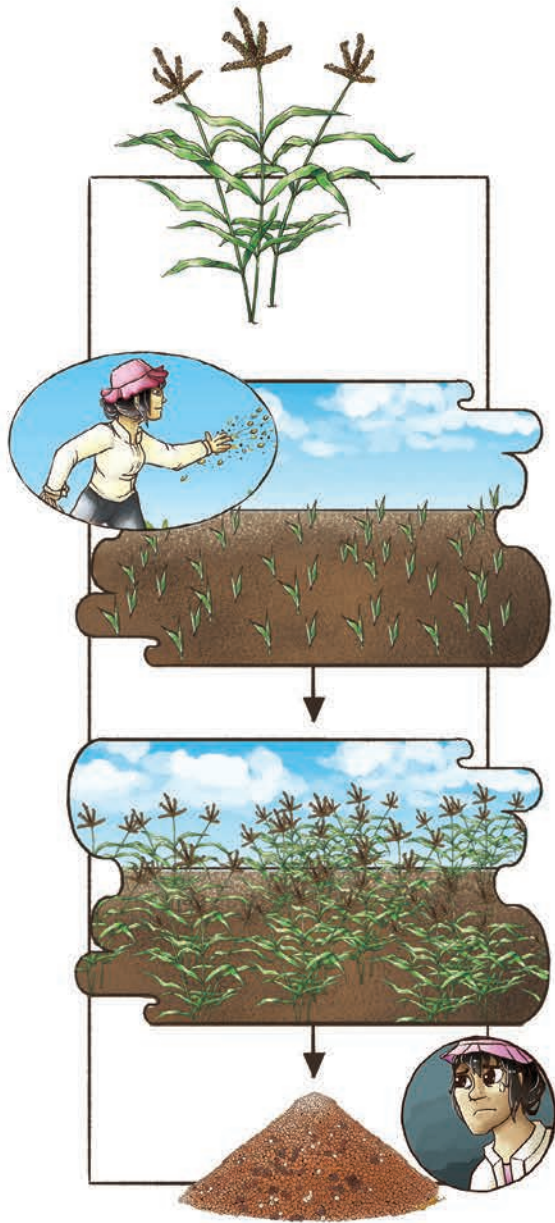


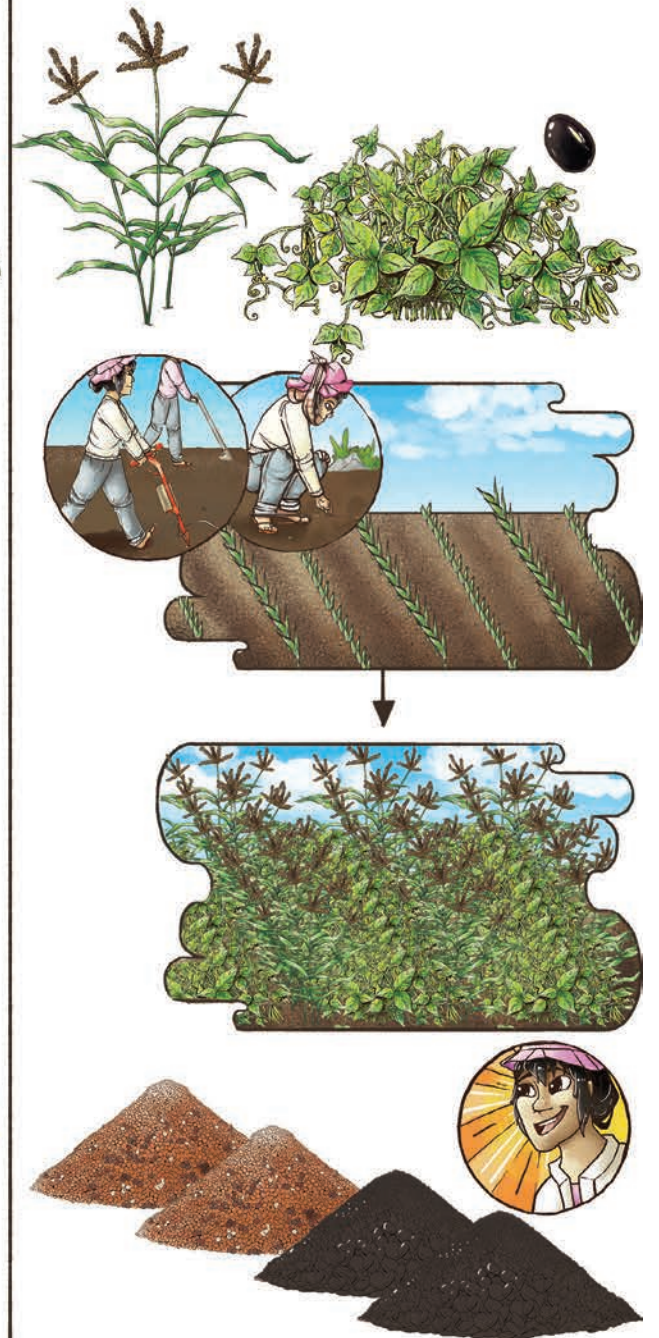
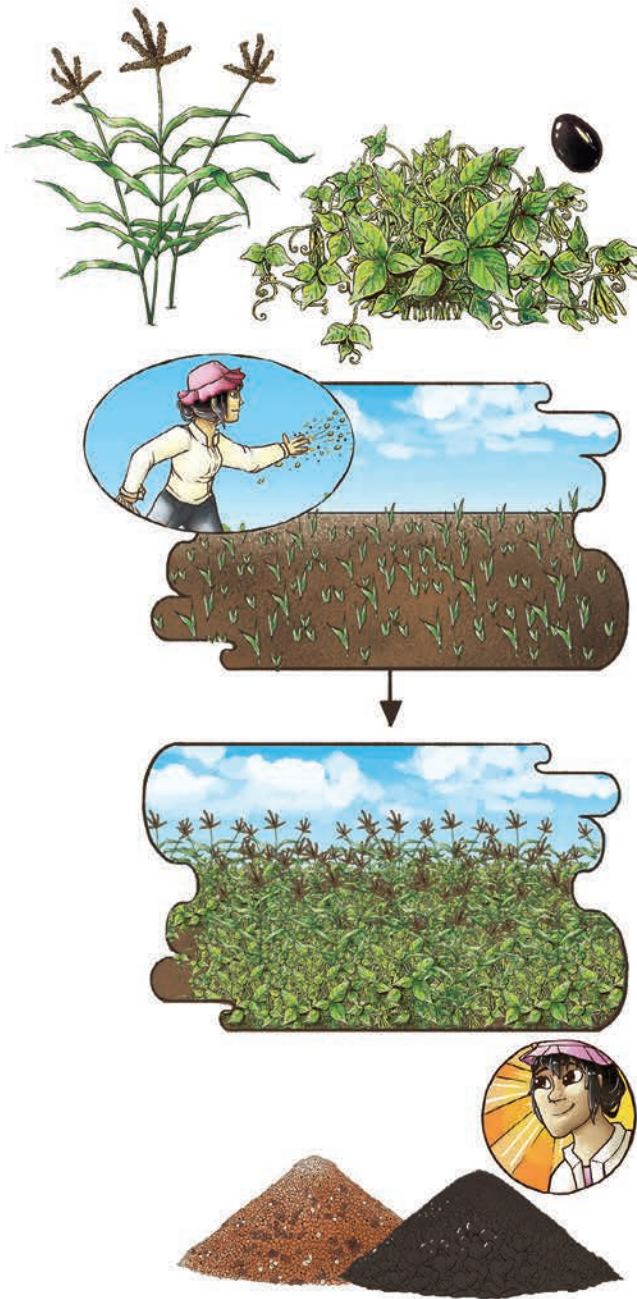
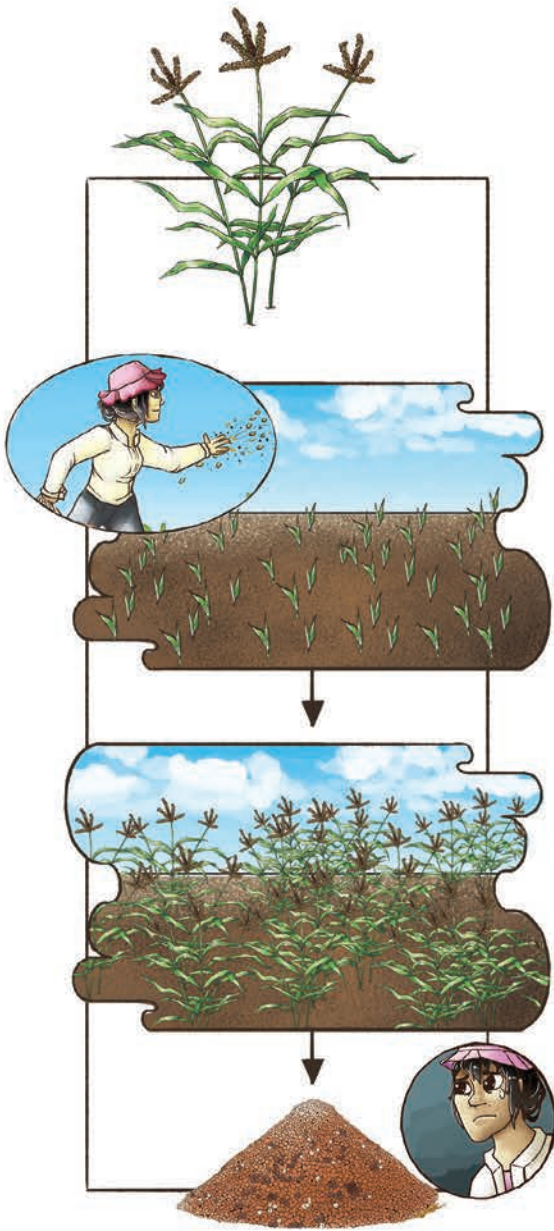


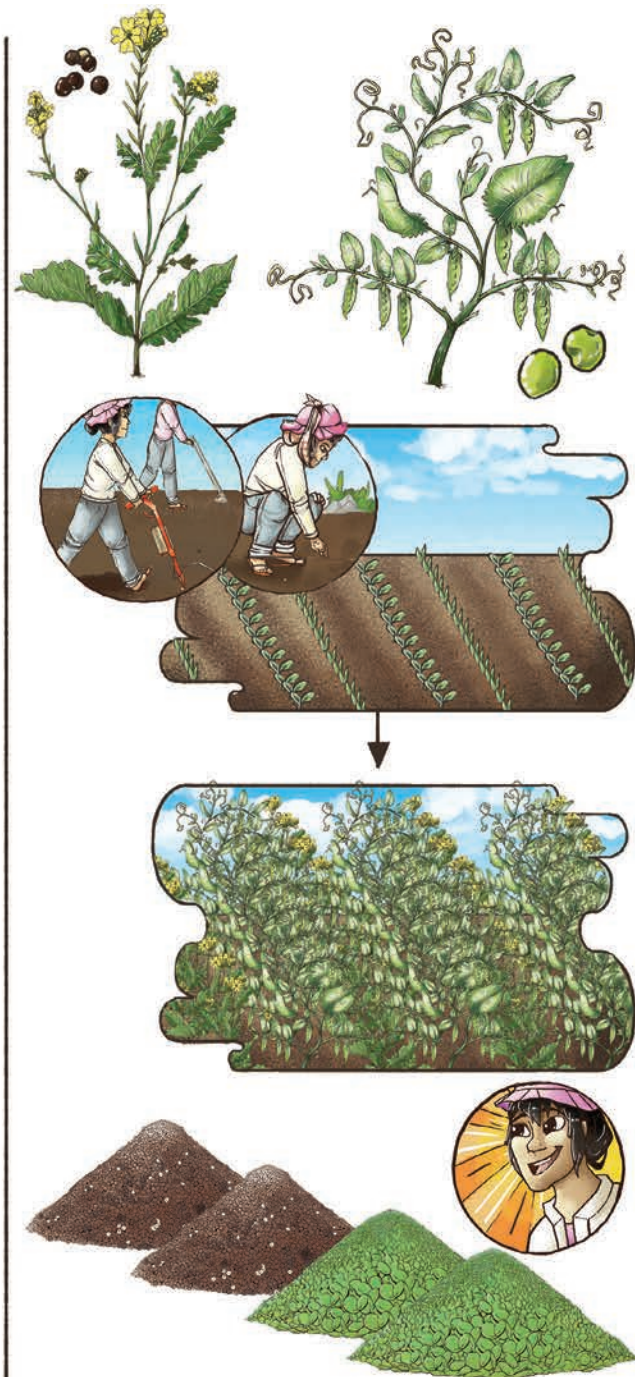
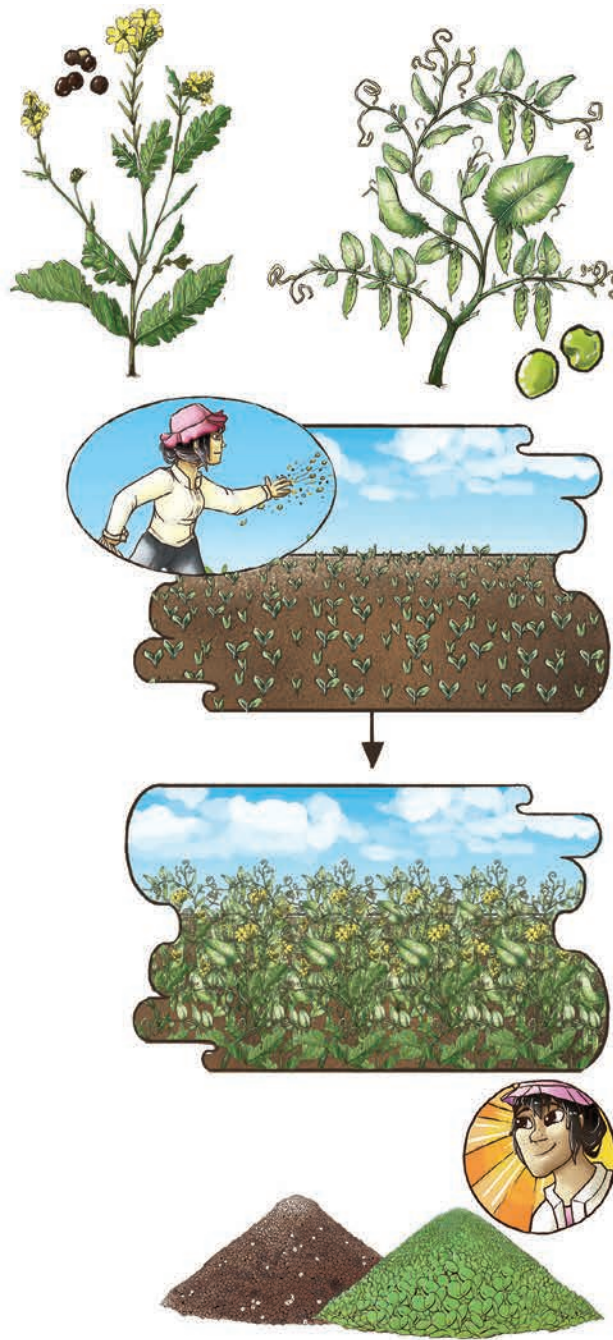
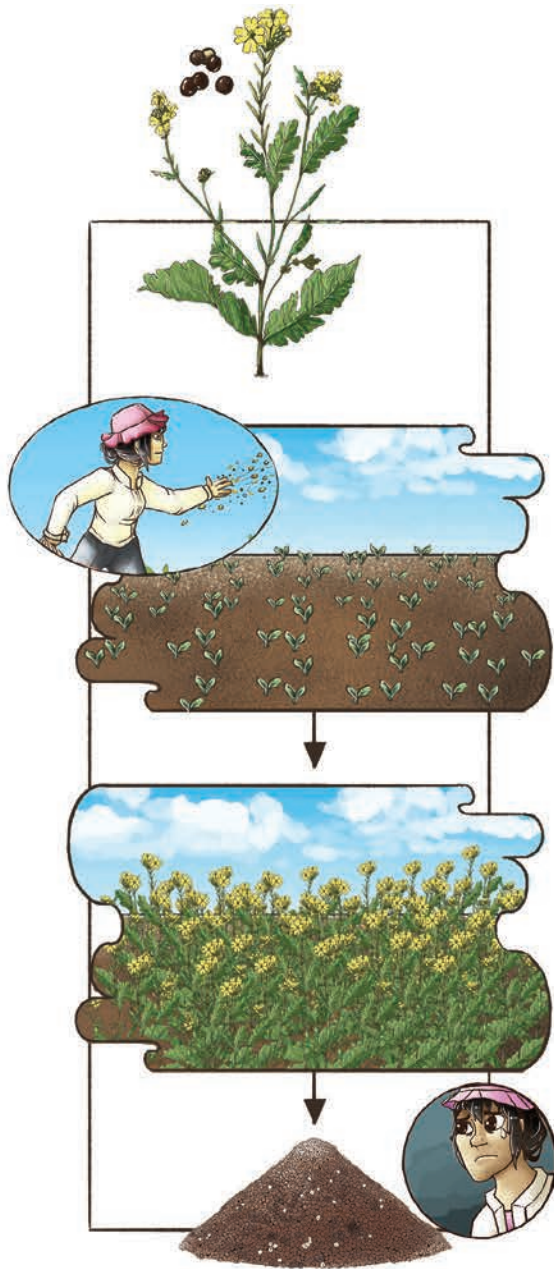


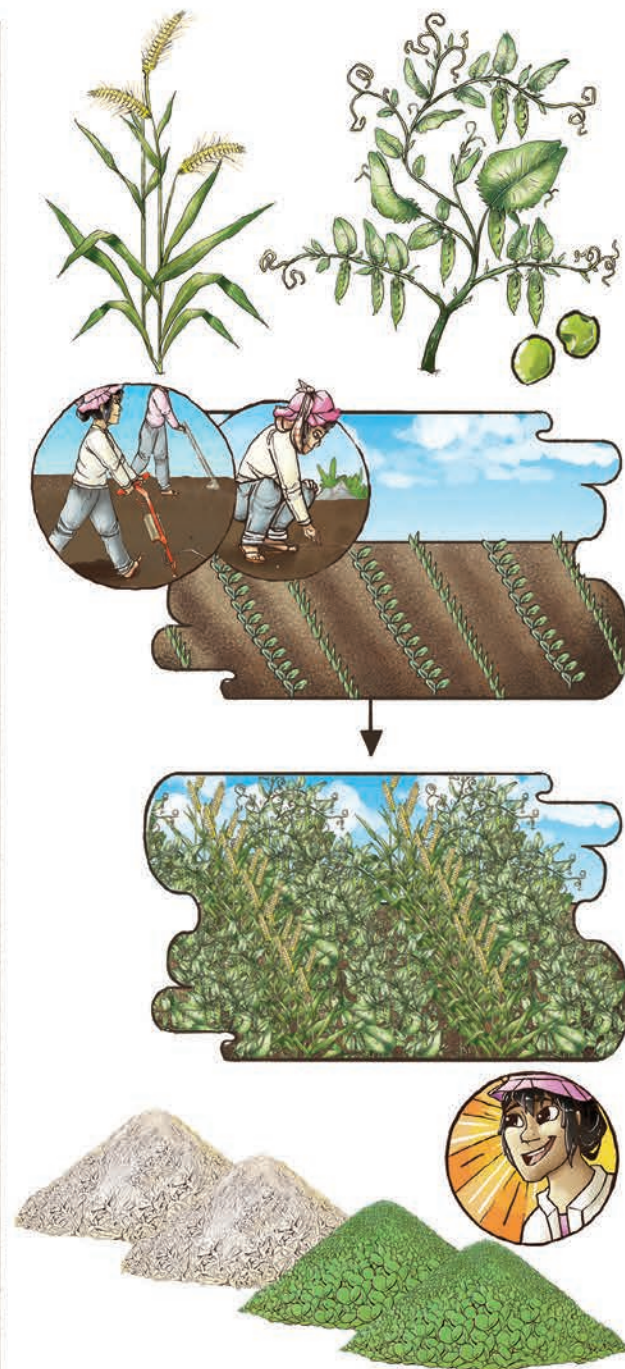
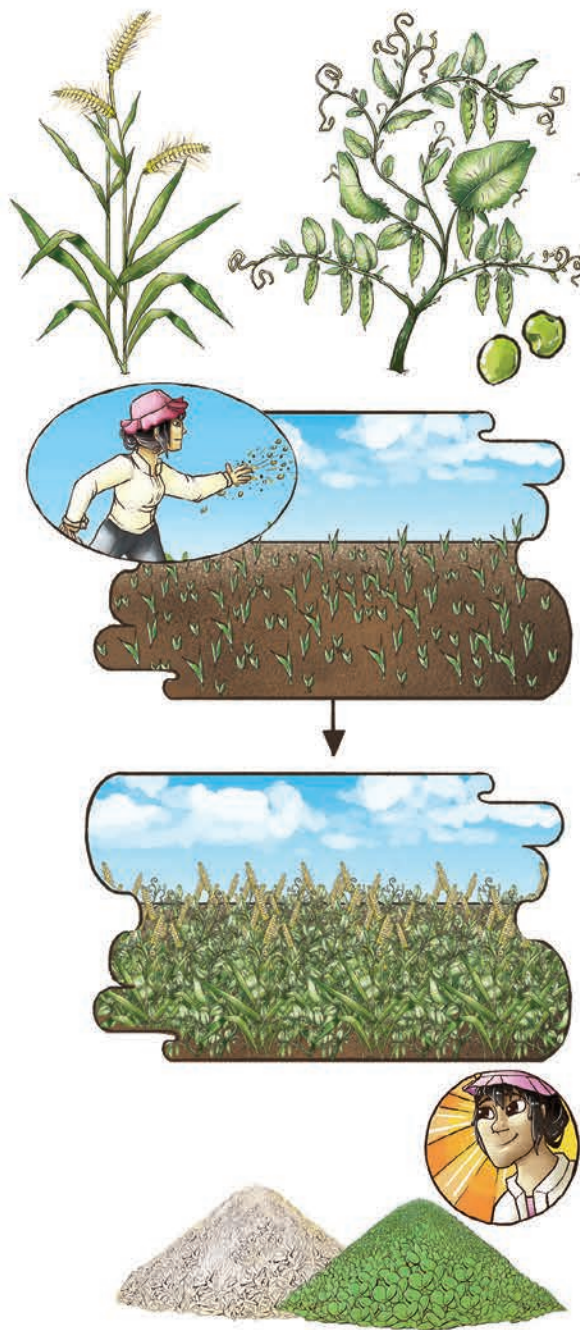
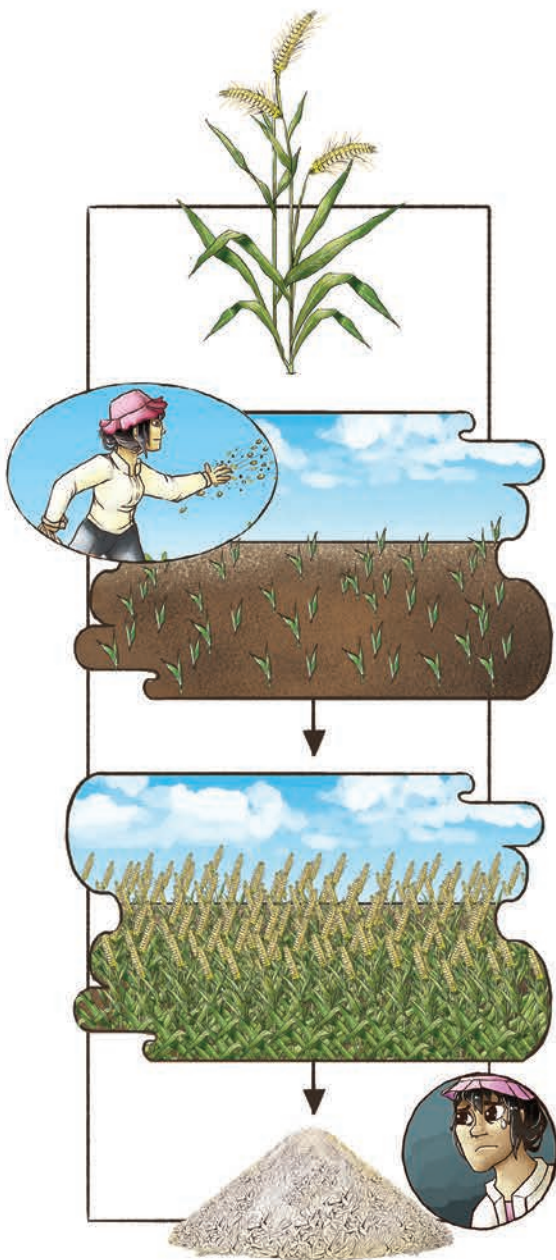


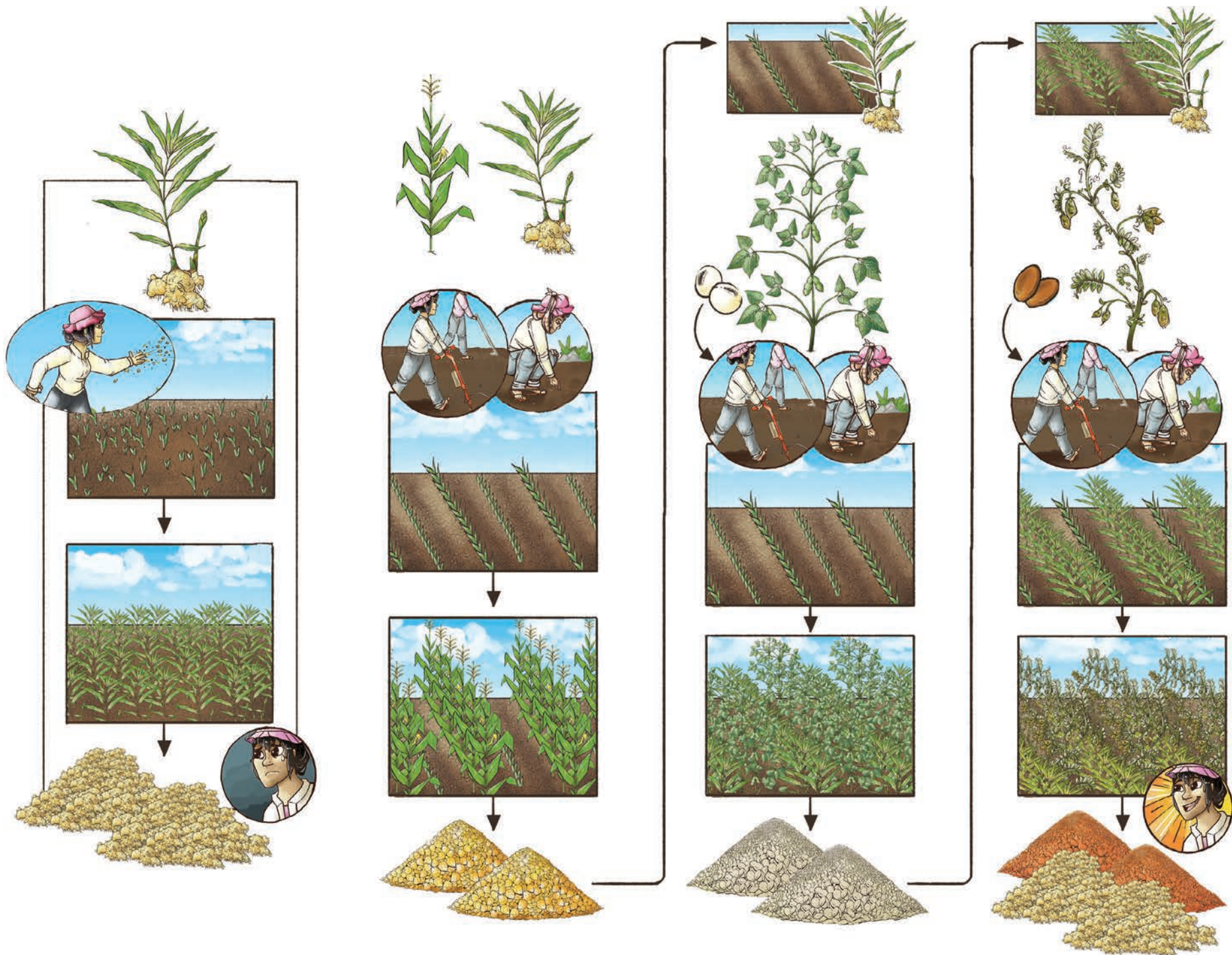


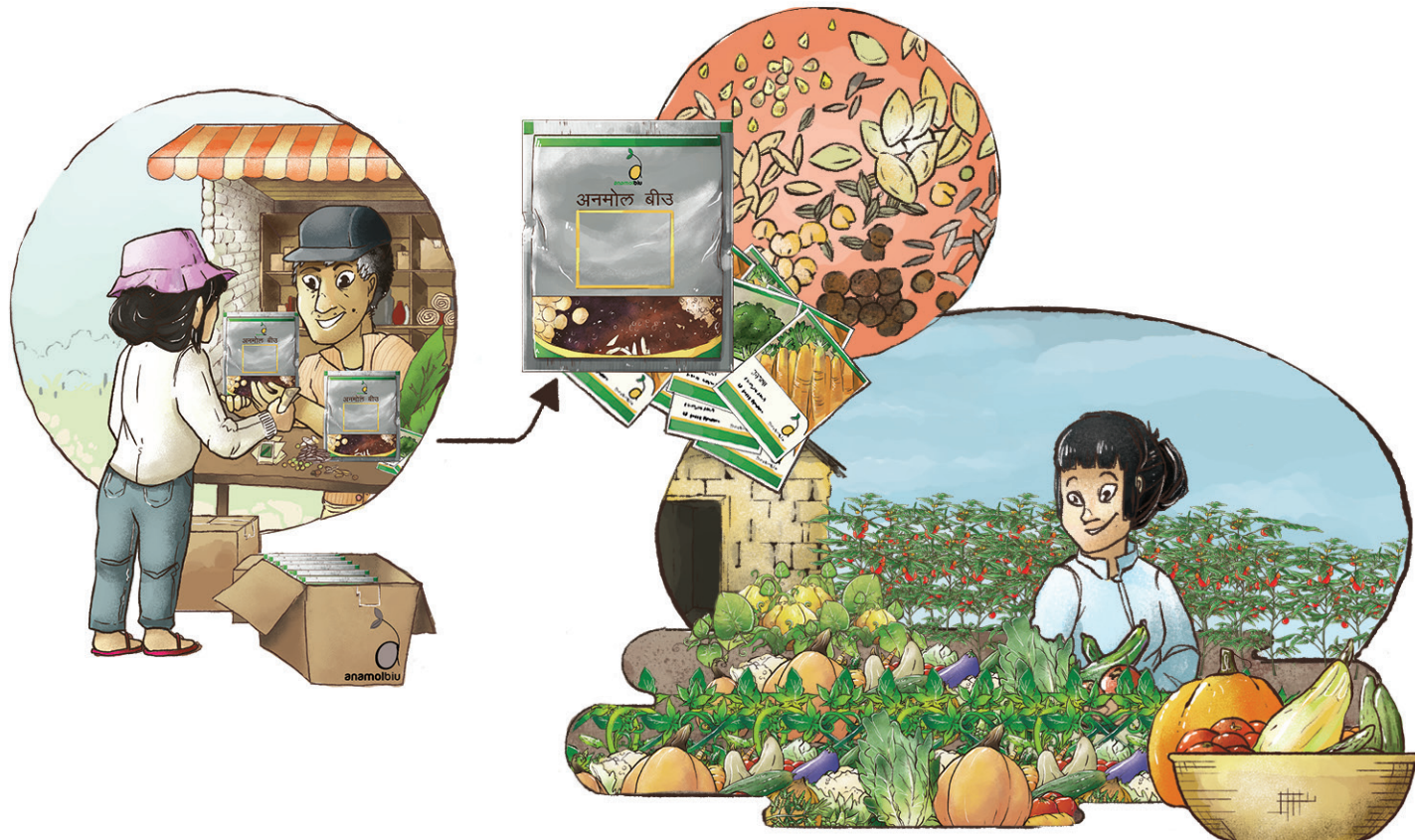


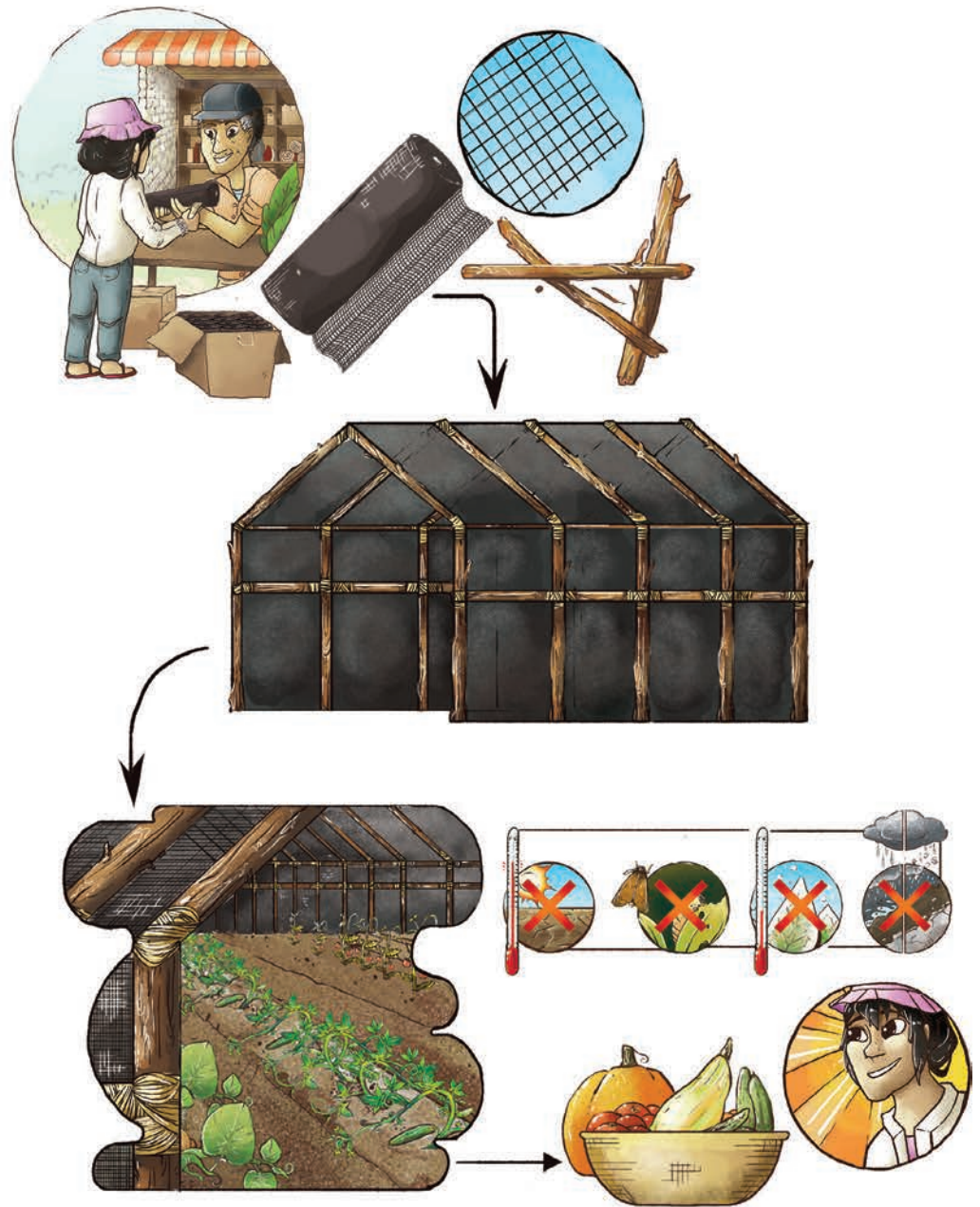
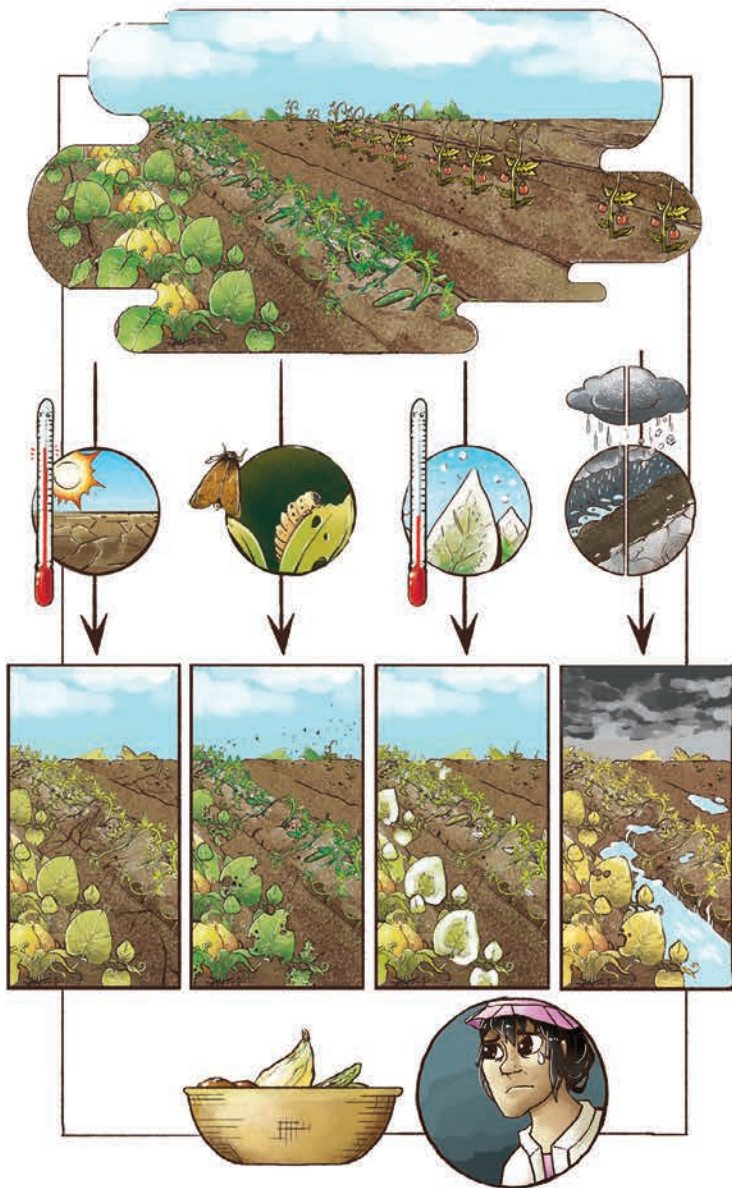


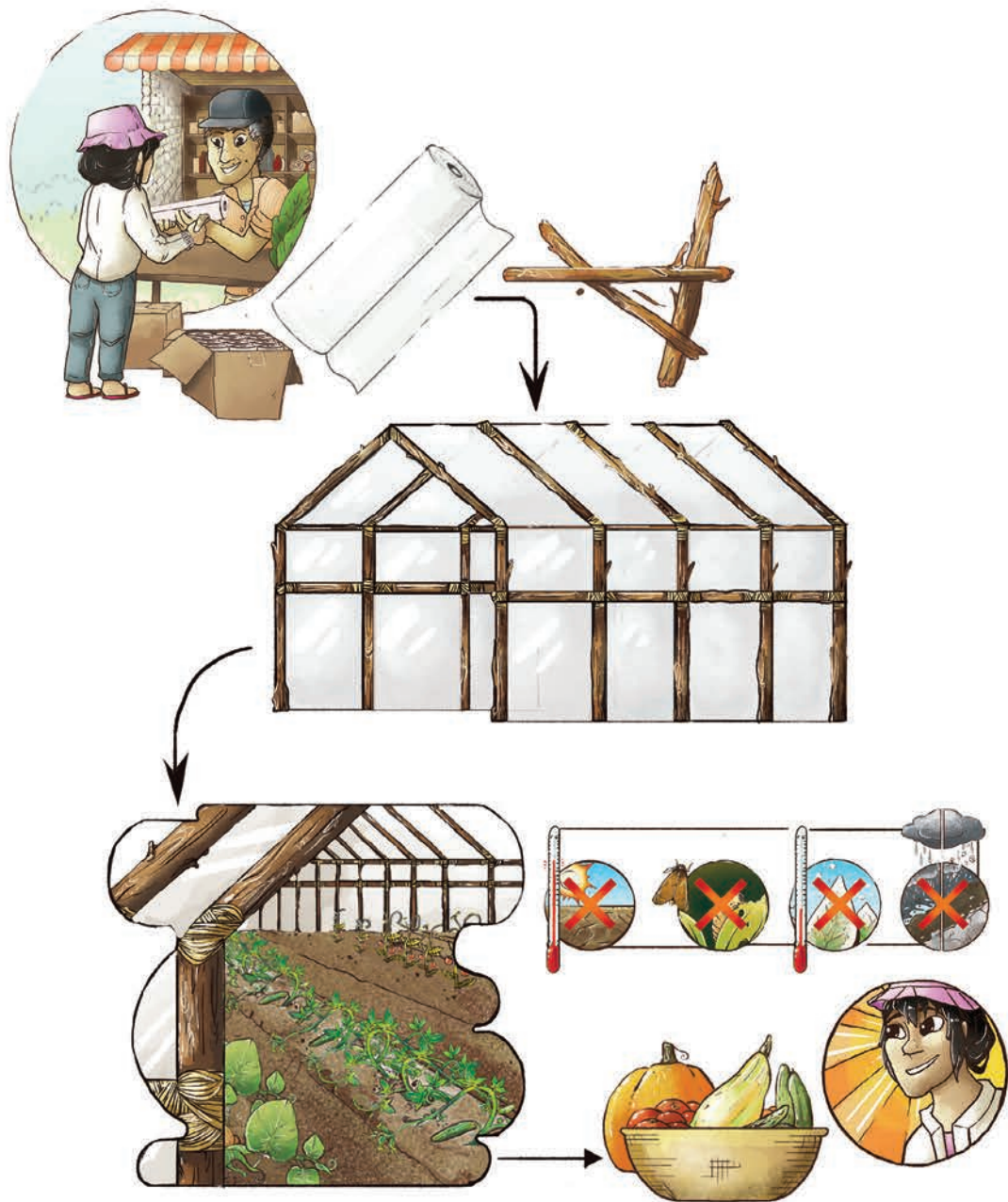
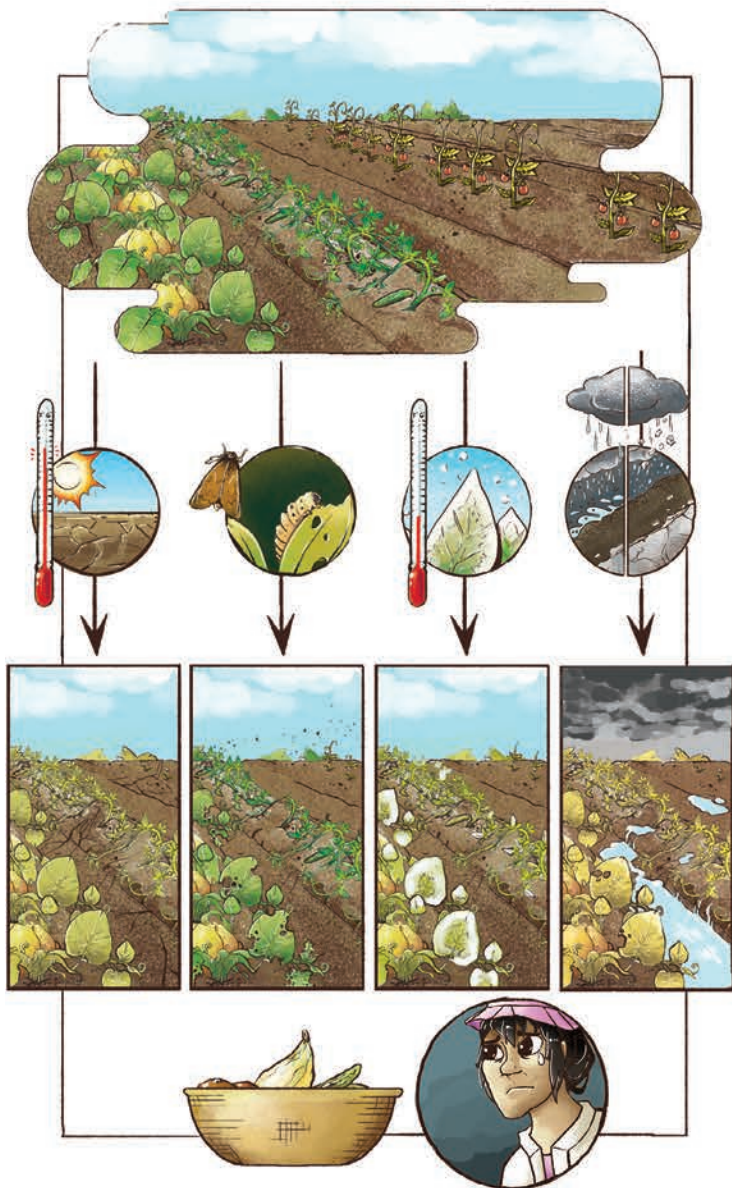


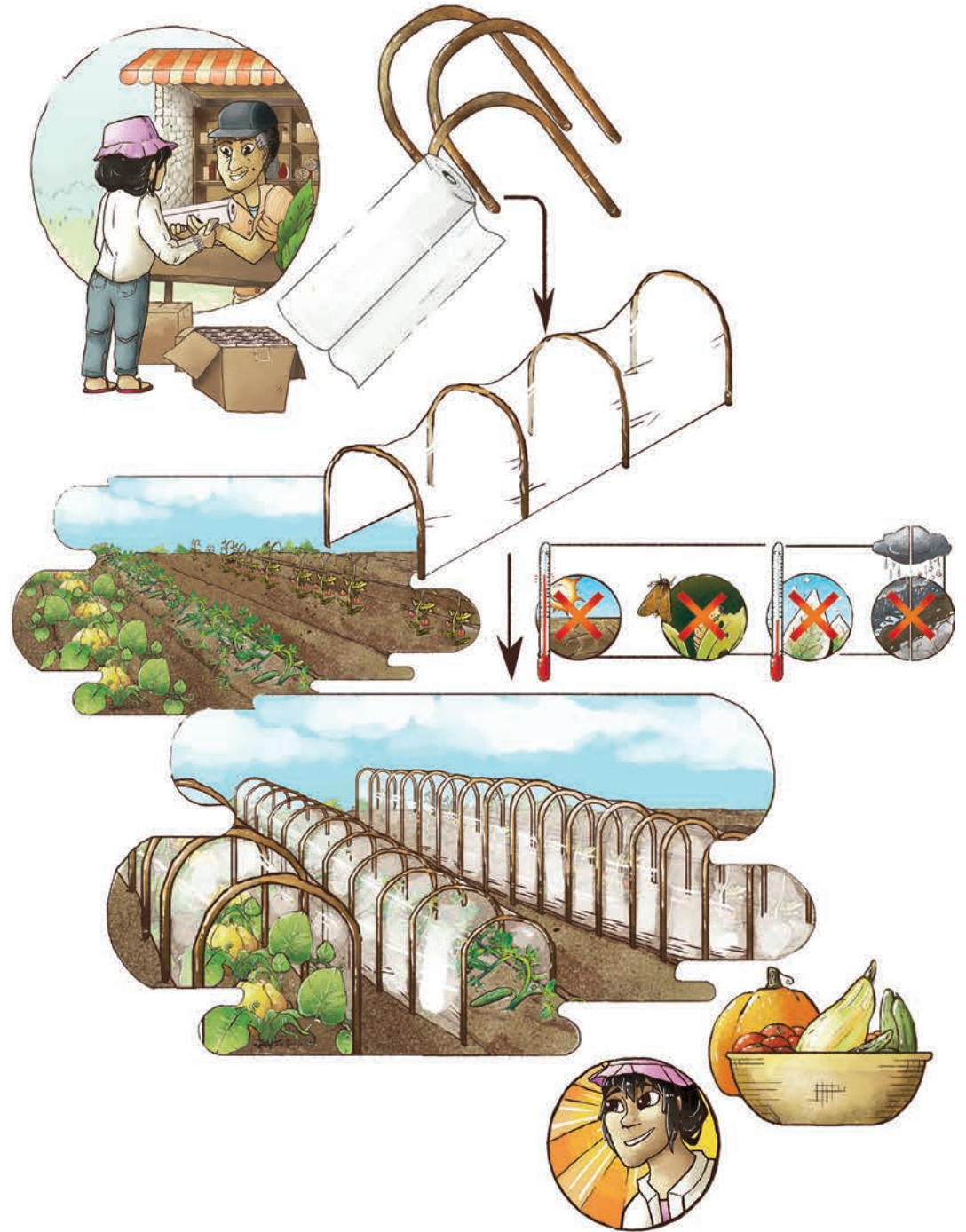
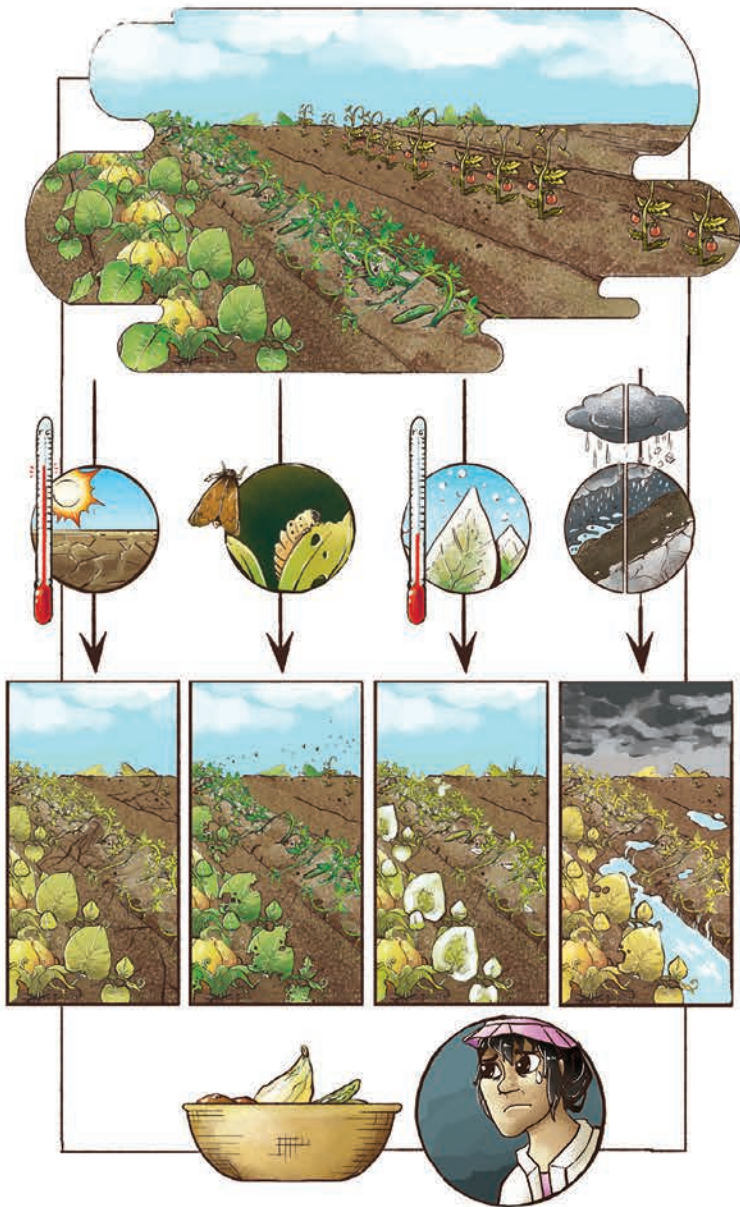


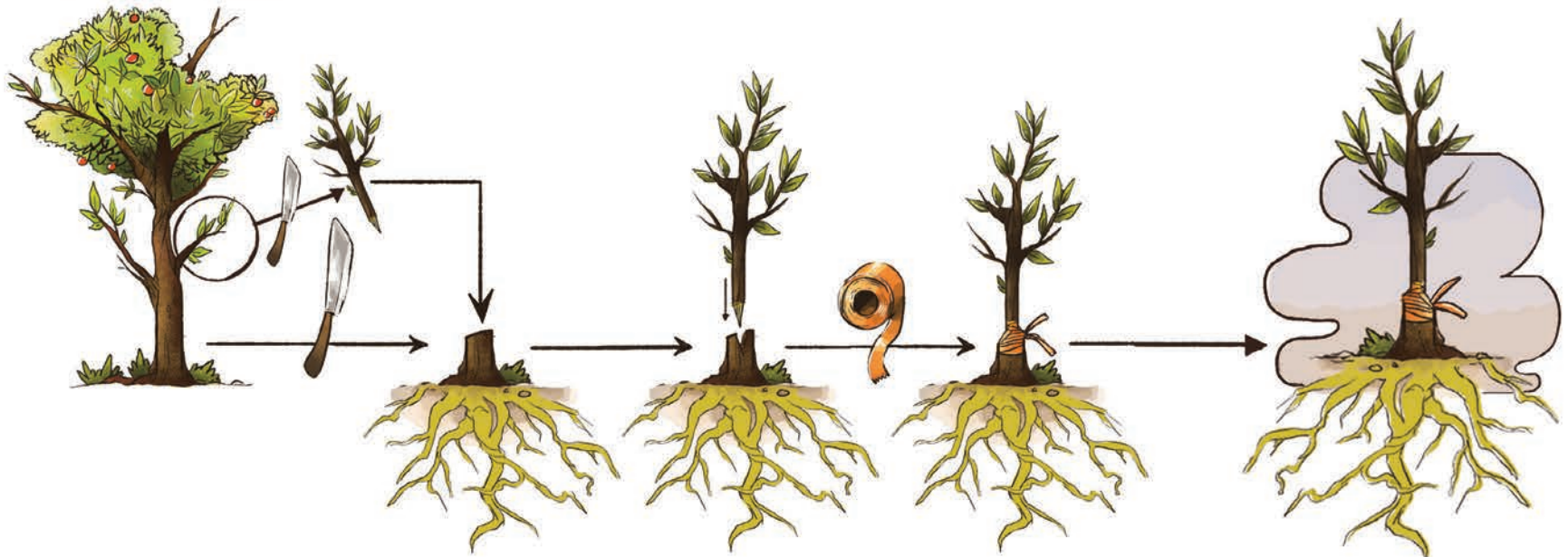
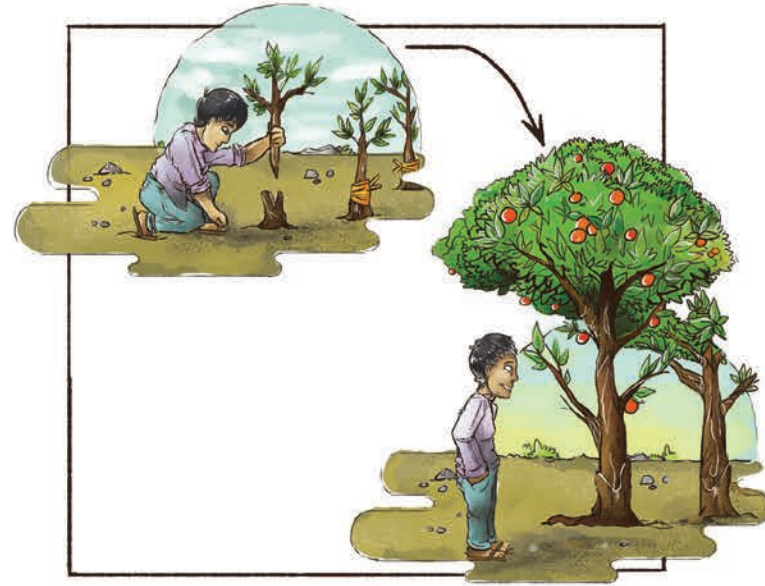
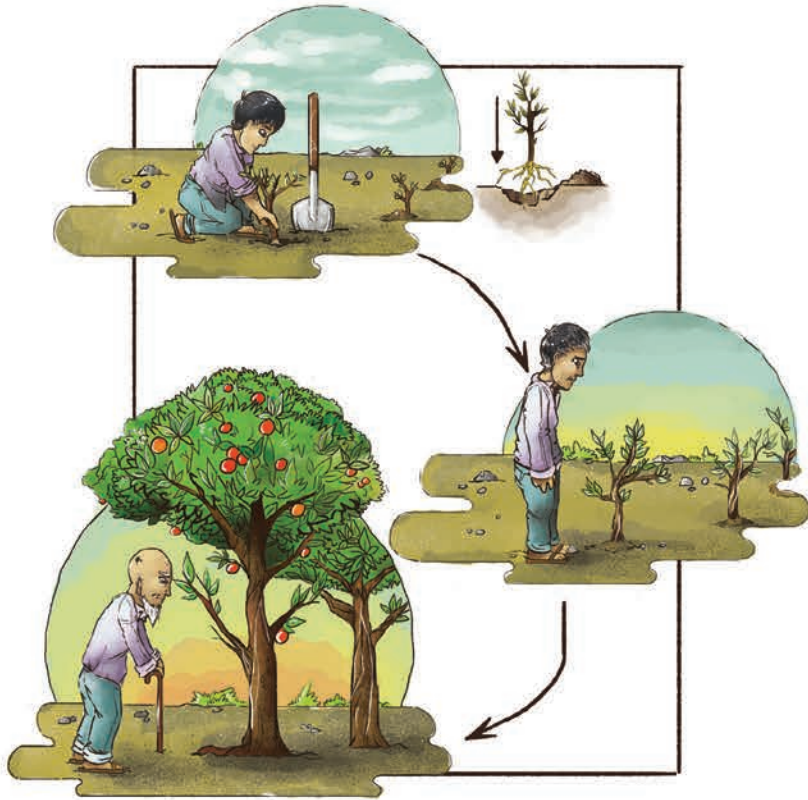






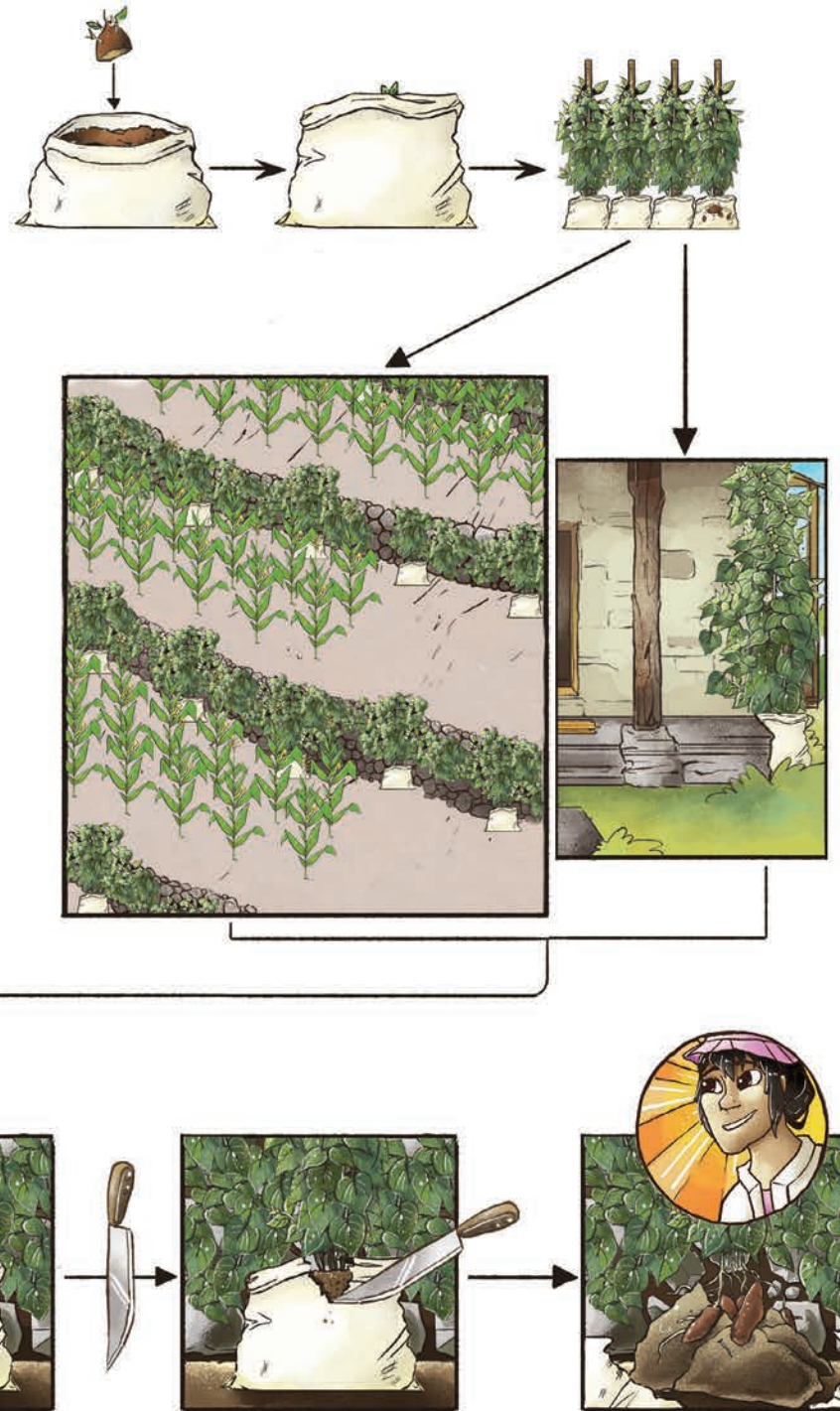
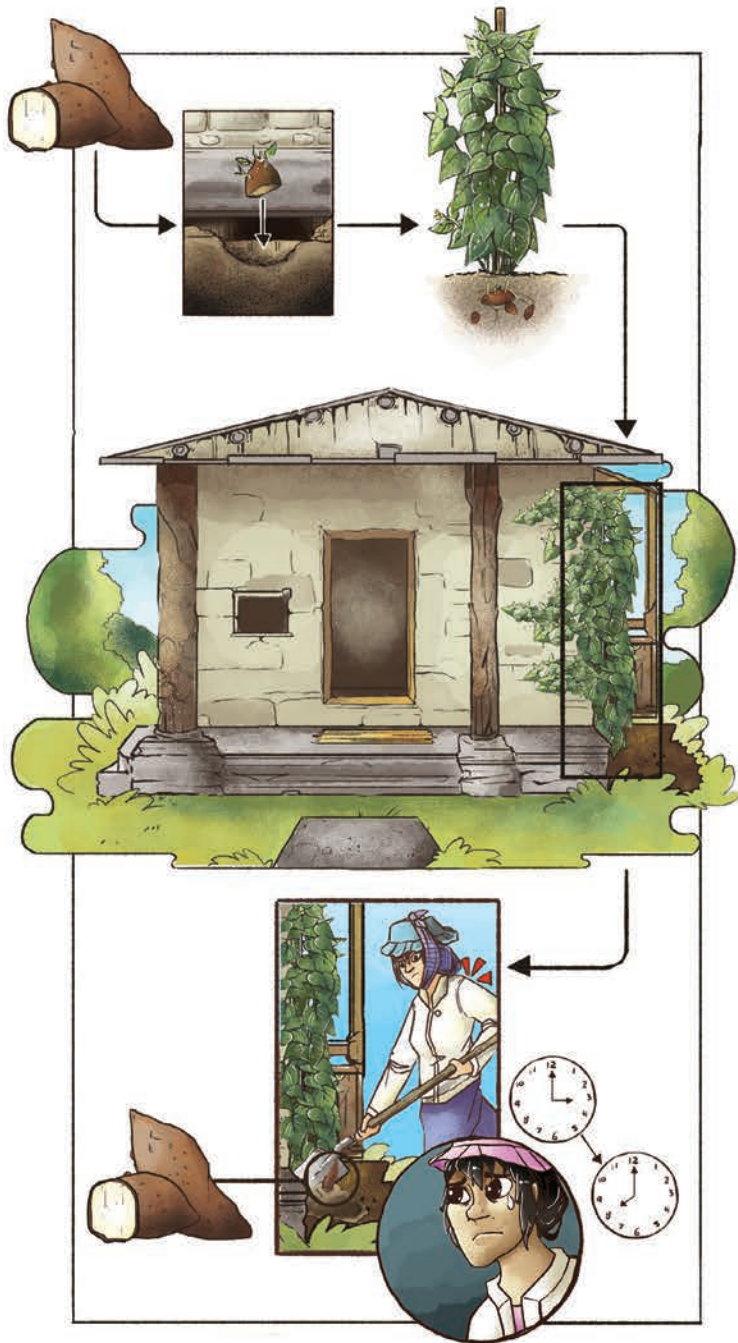


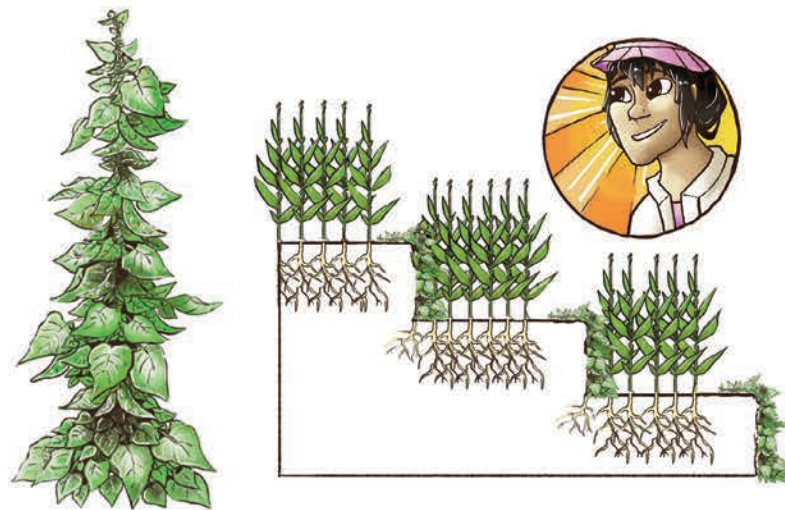
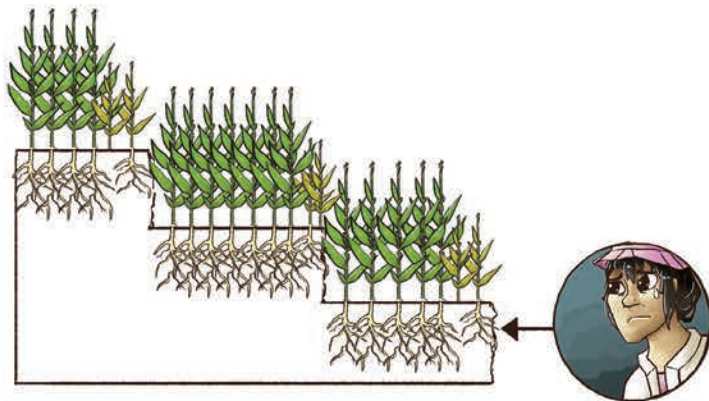
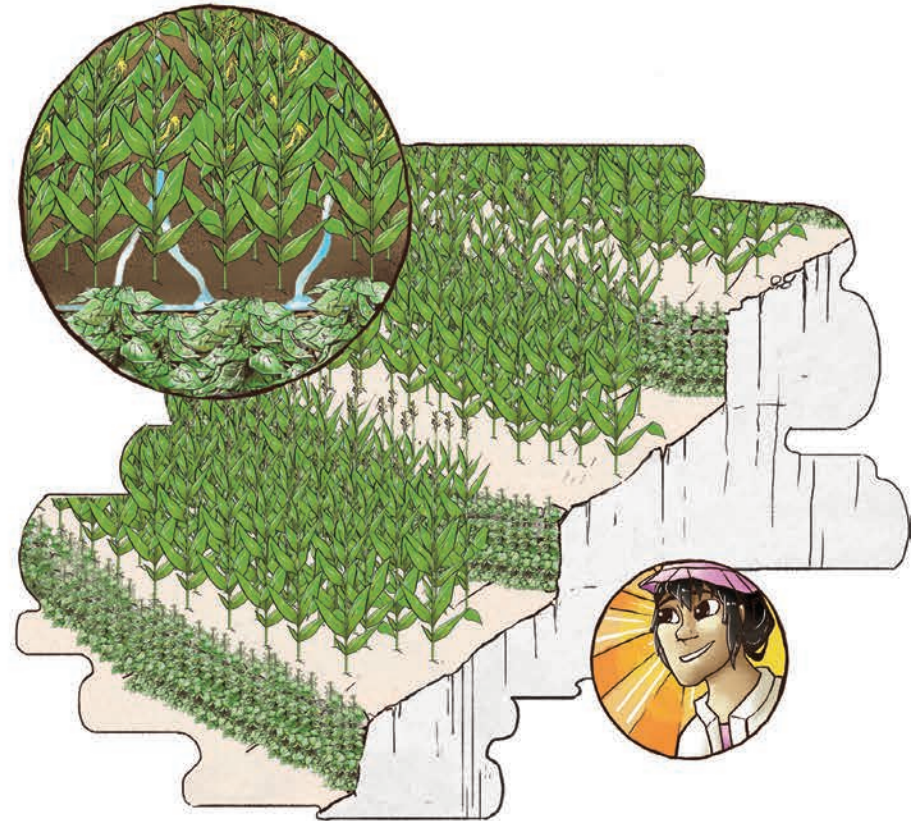
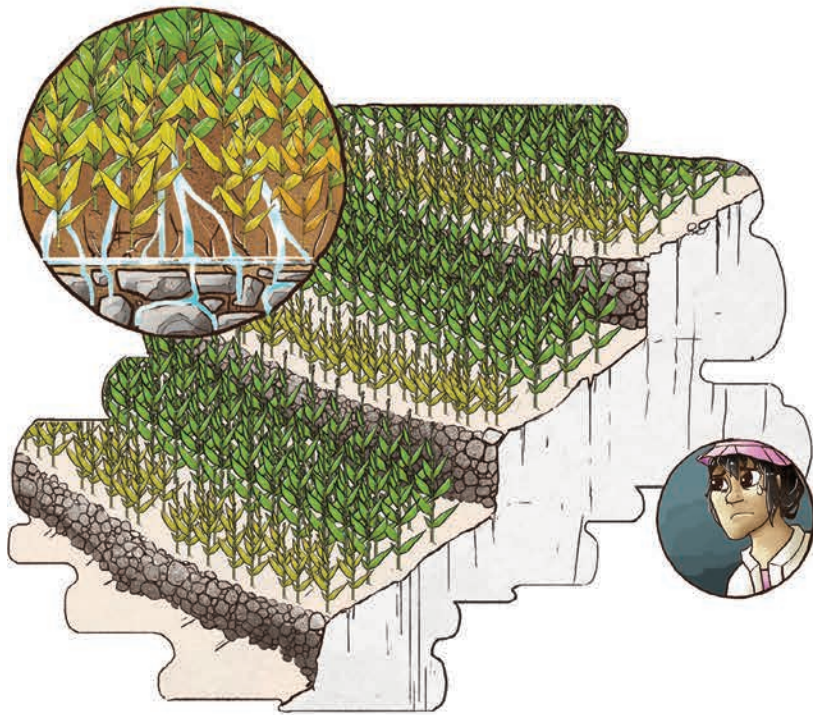


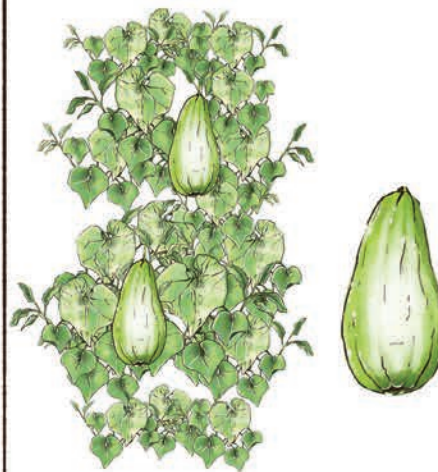
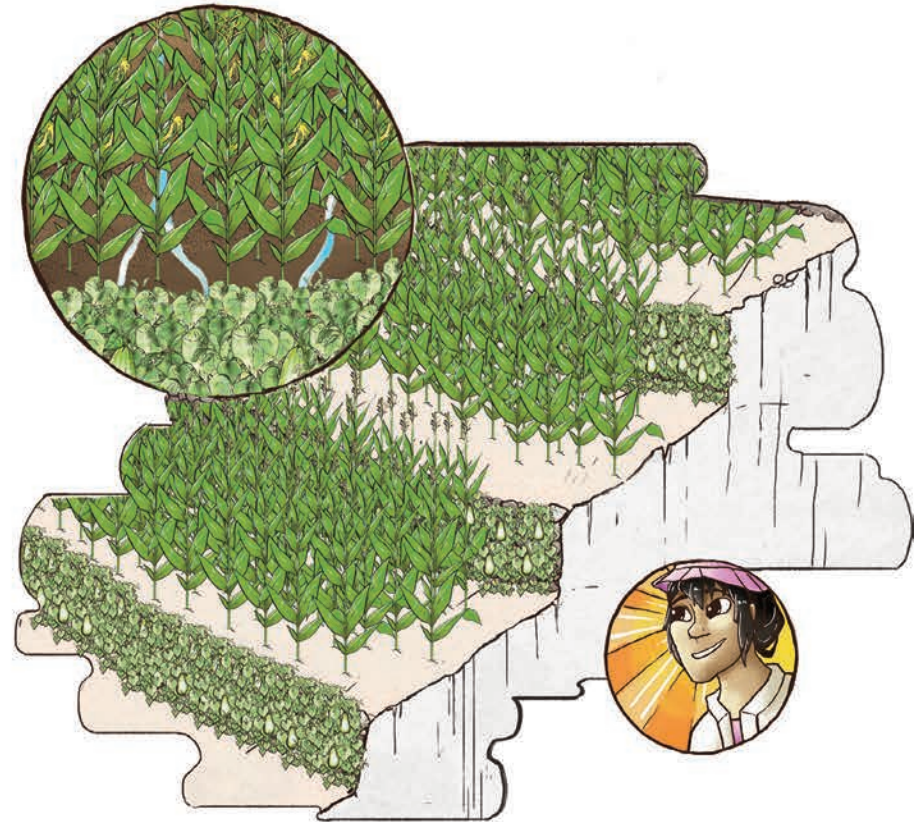
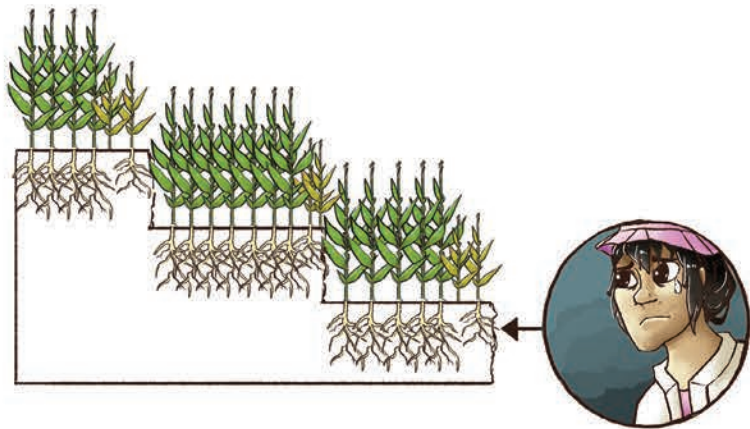


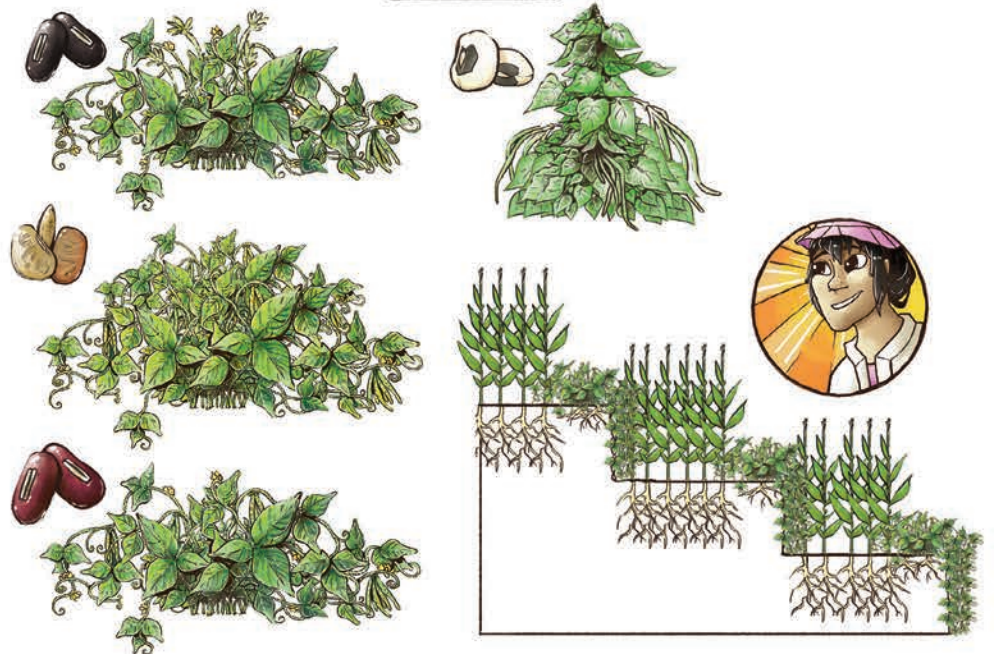
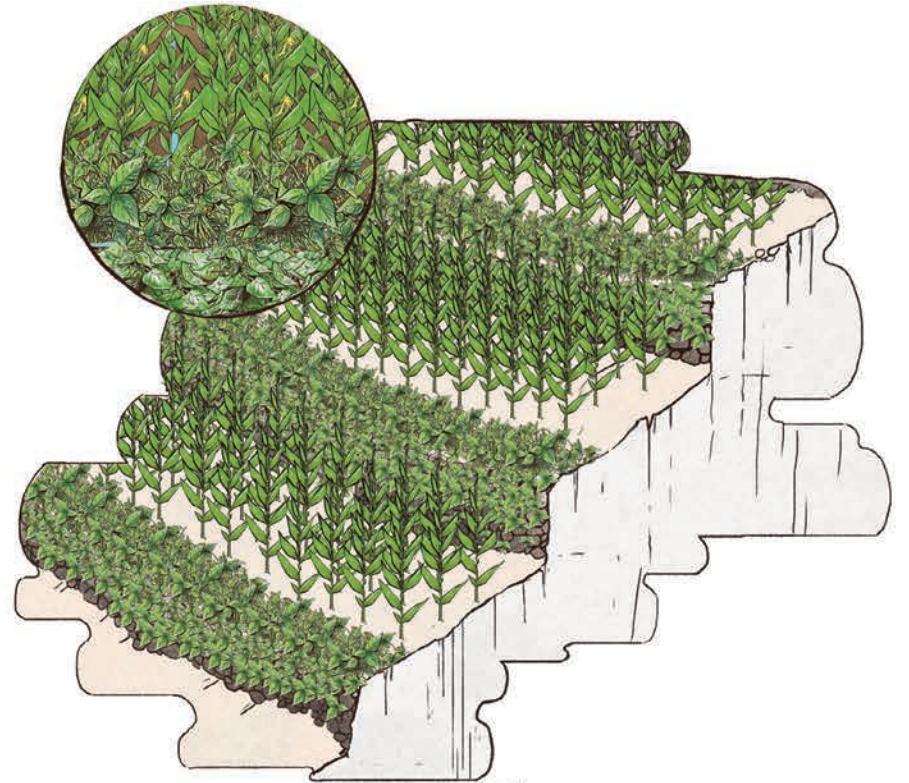
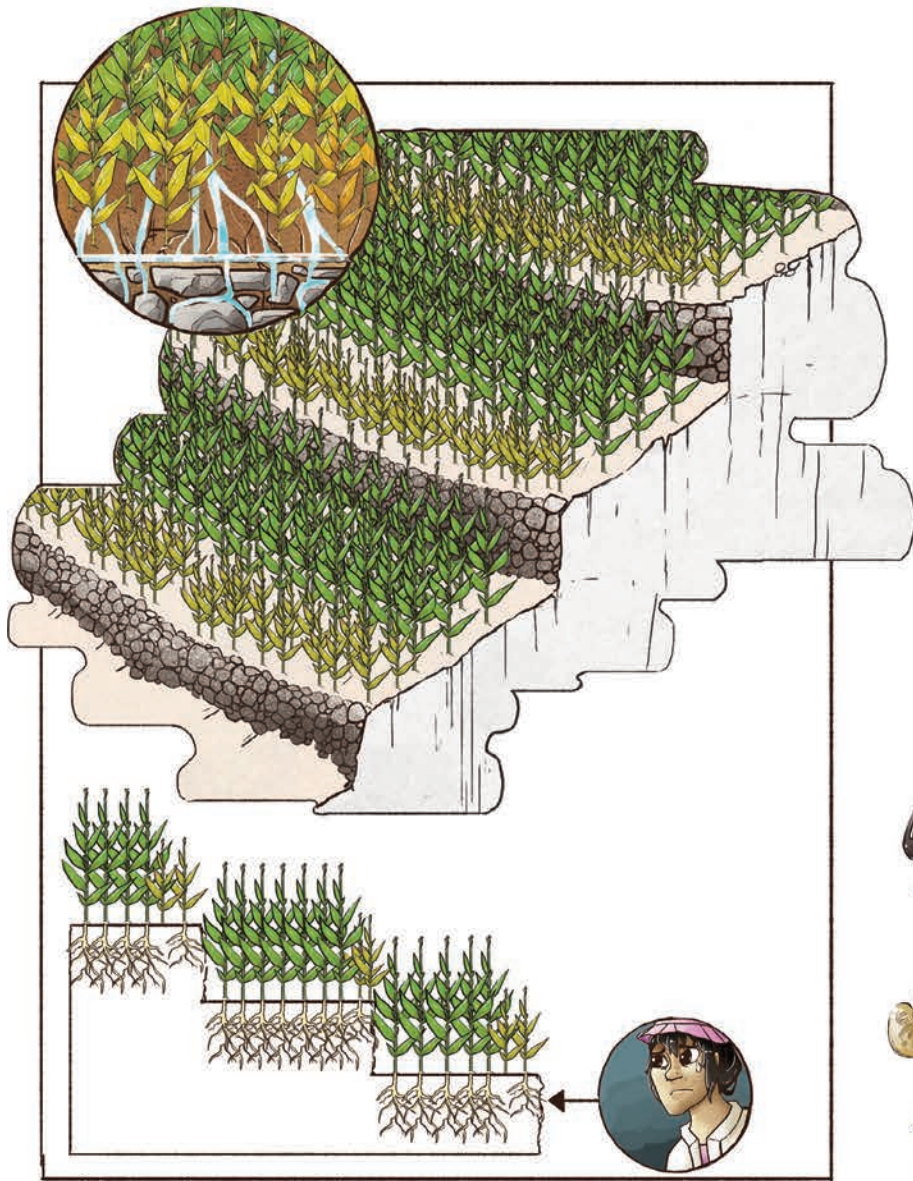


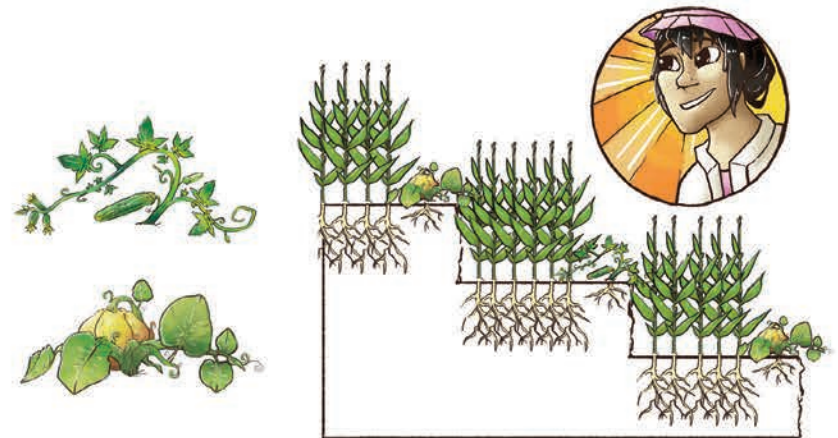
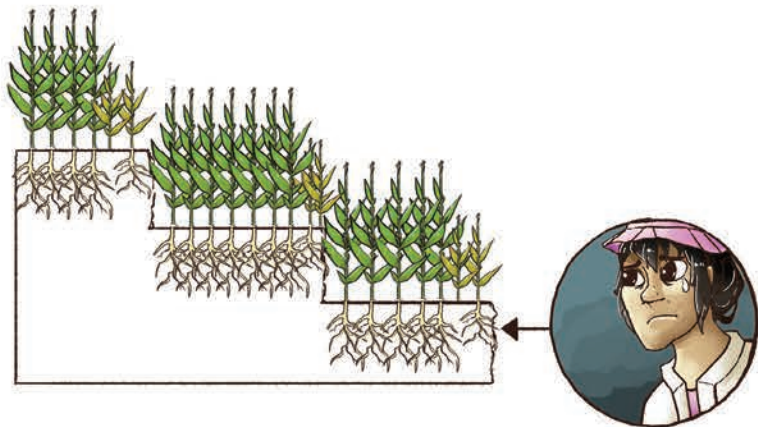
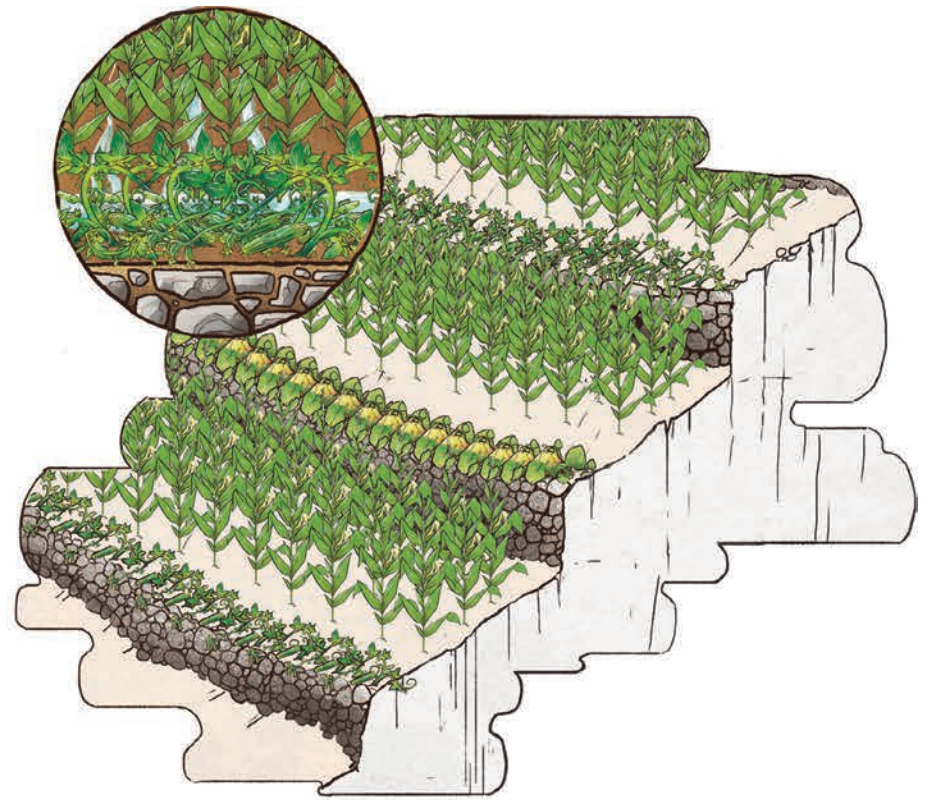
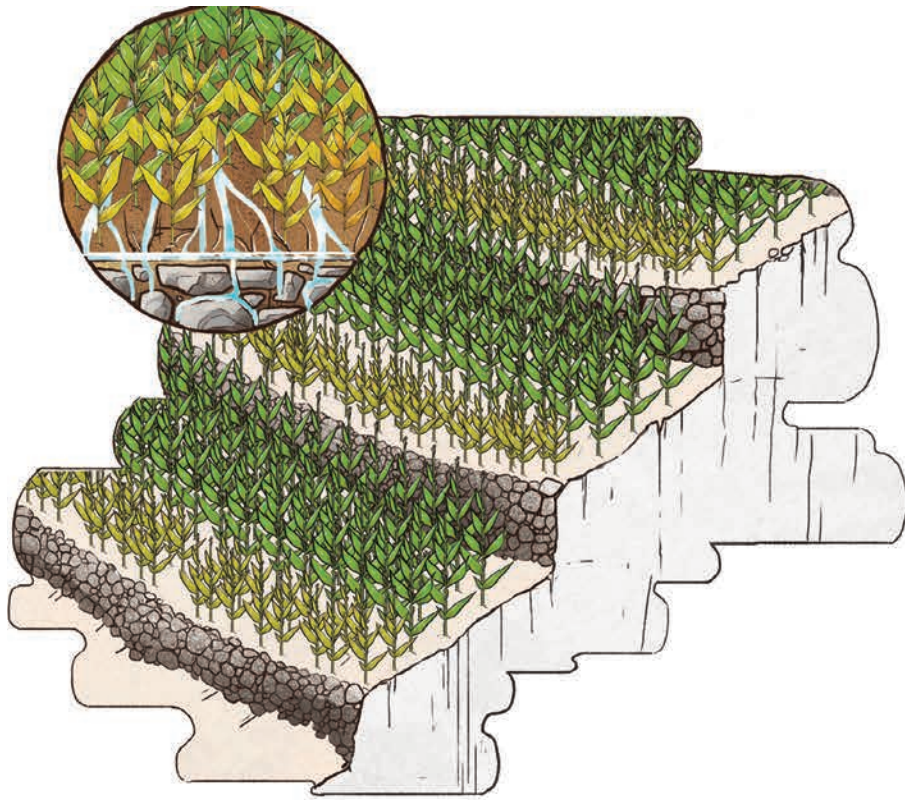
Chapter 4: Terrace Agriculture



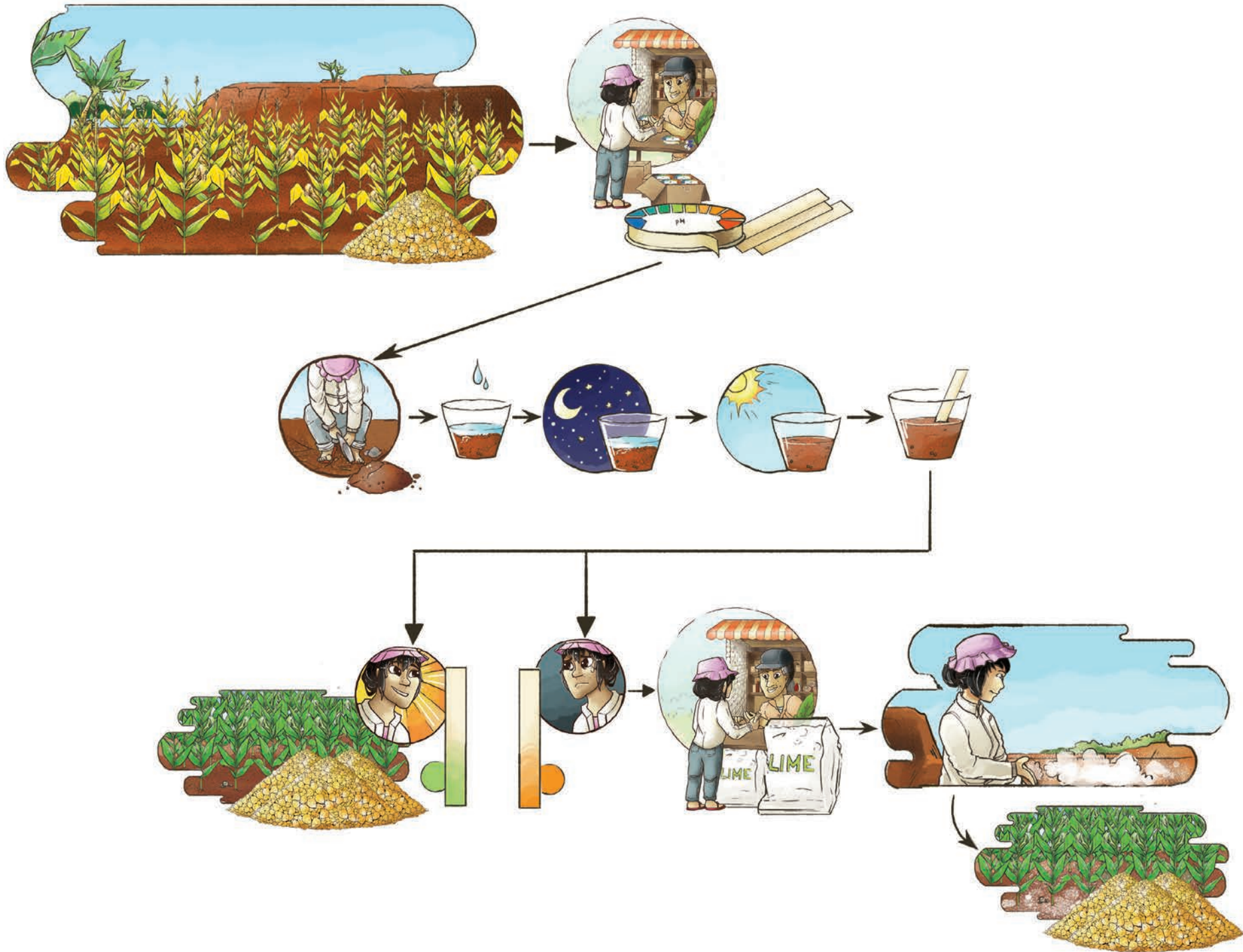


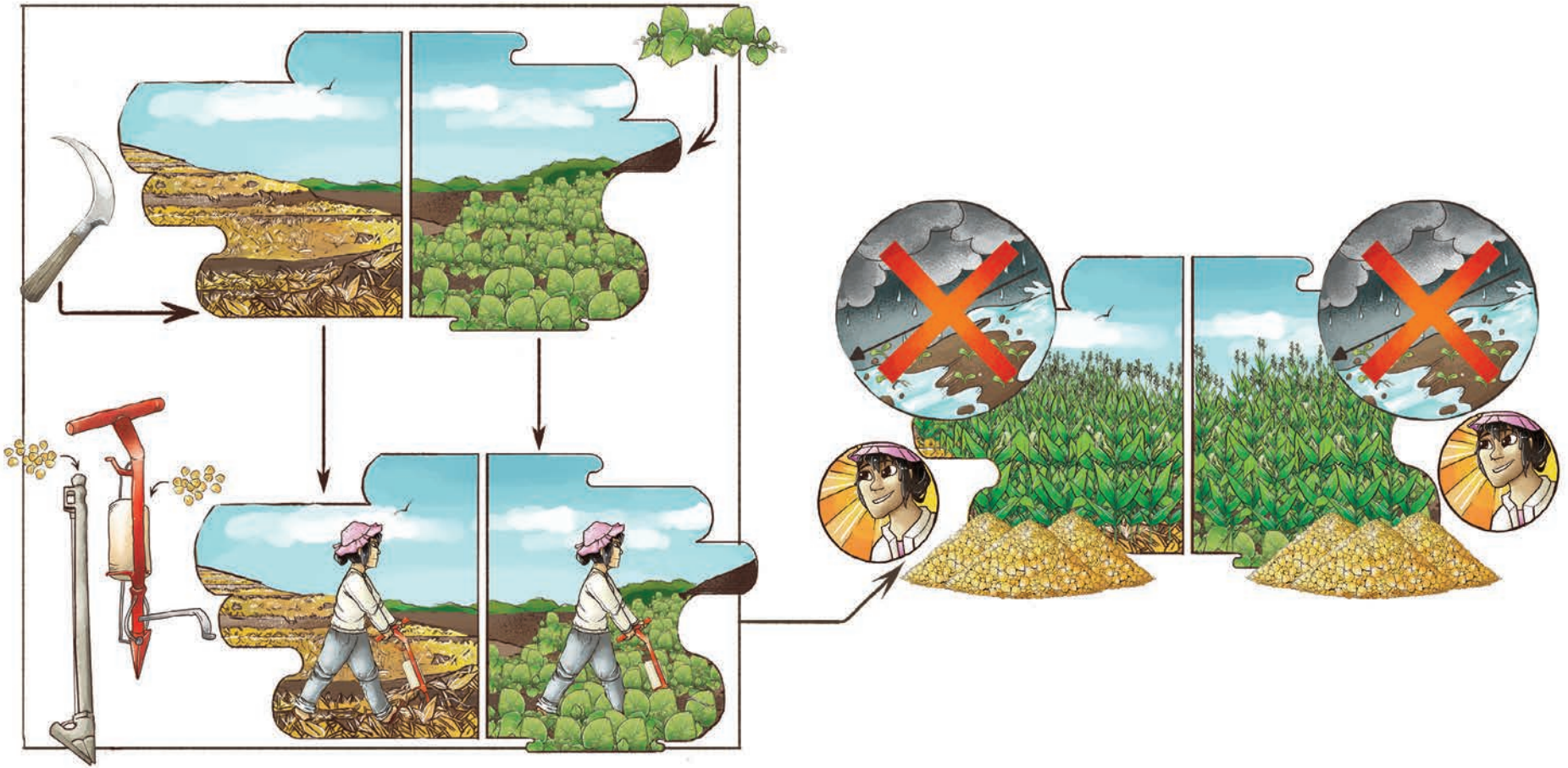
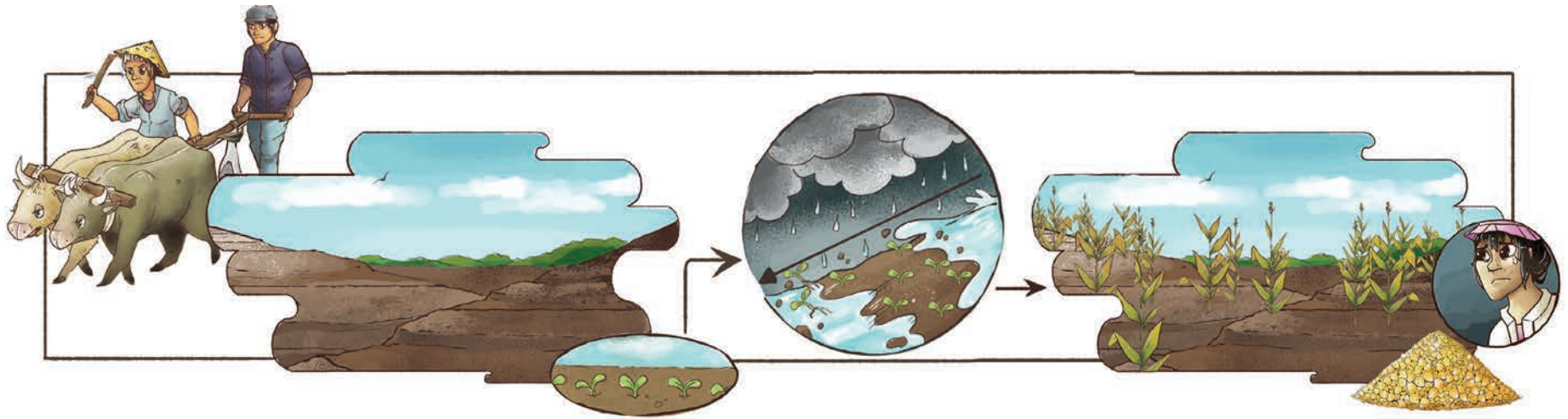


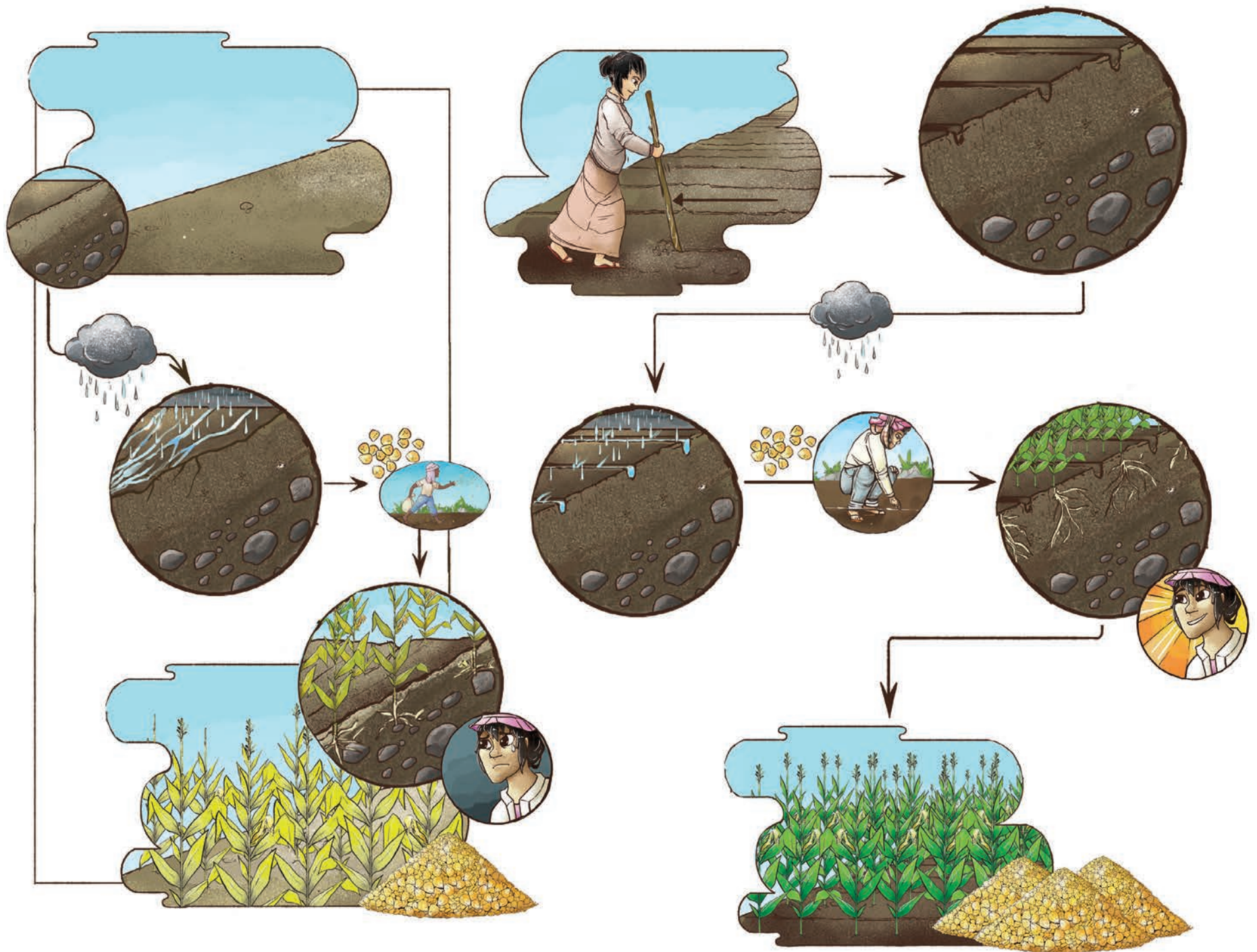


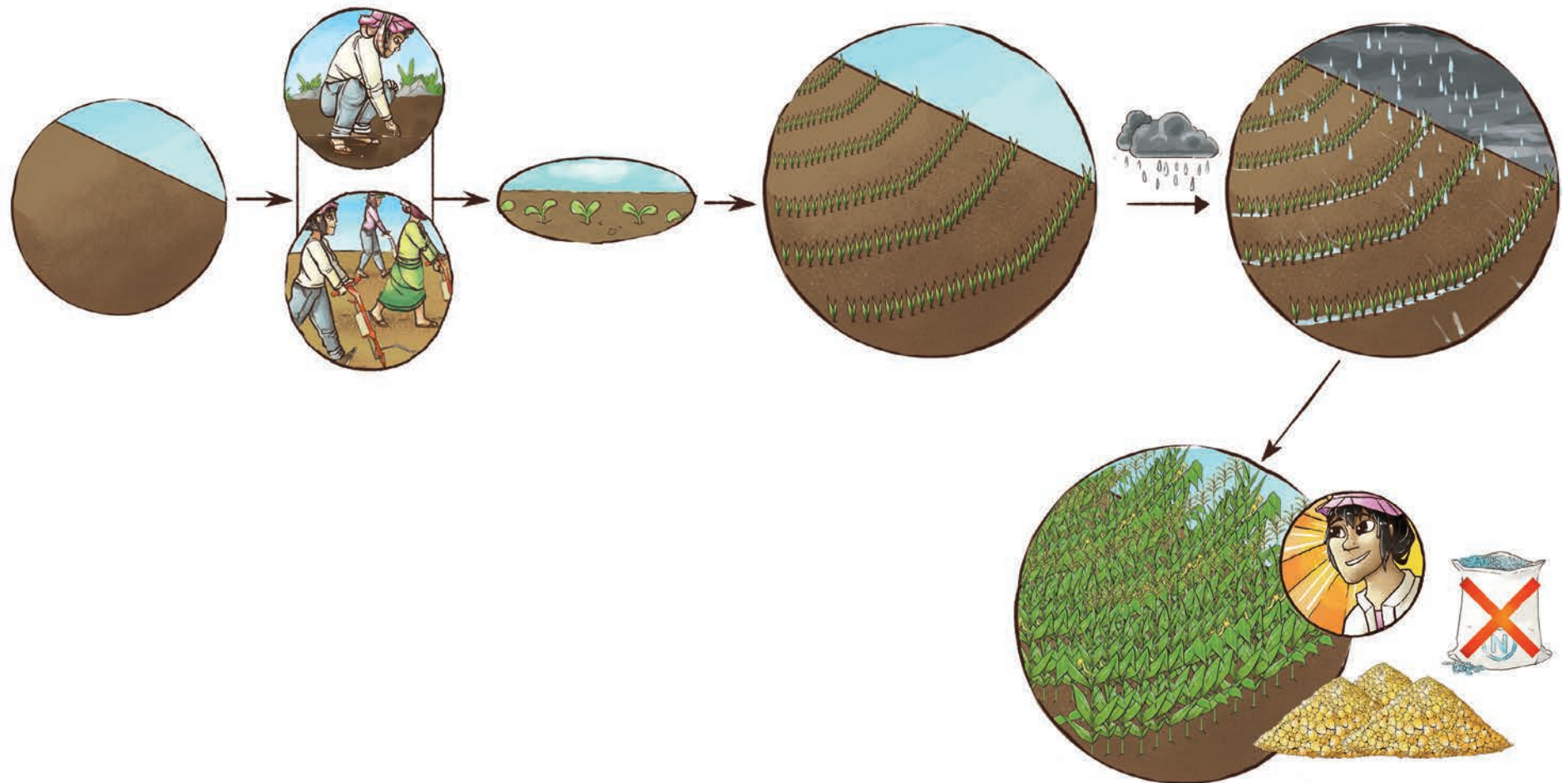
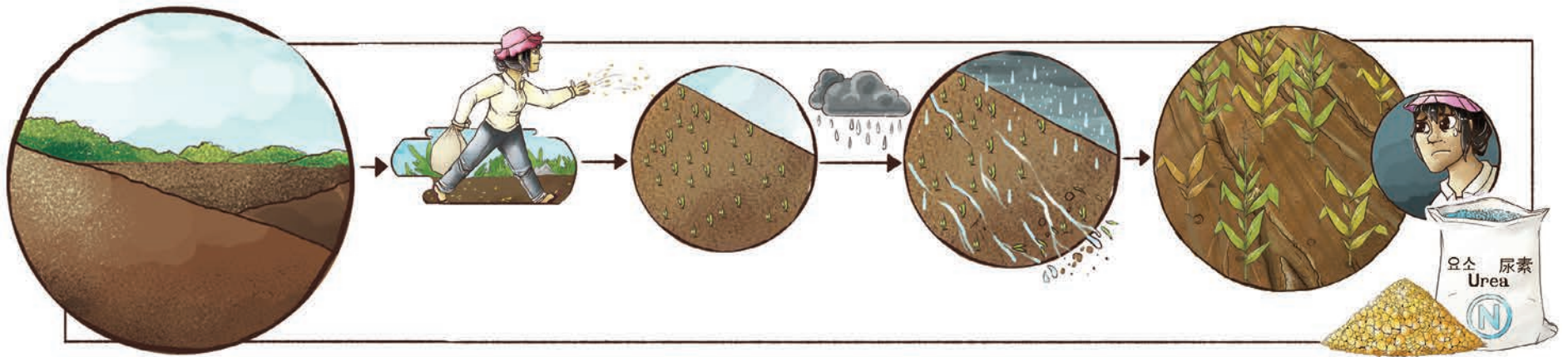


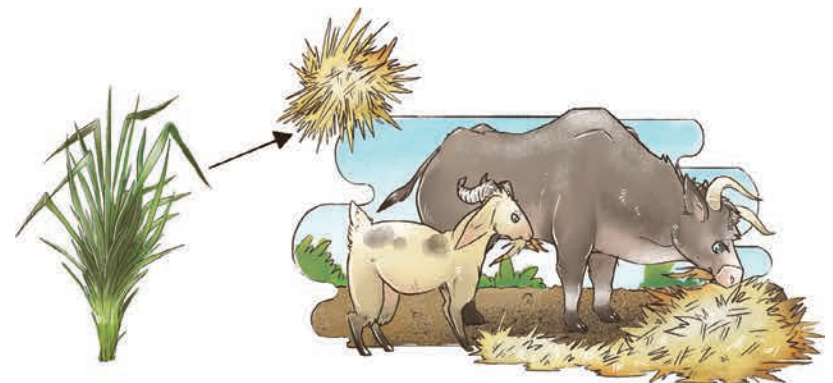
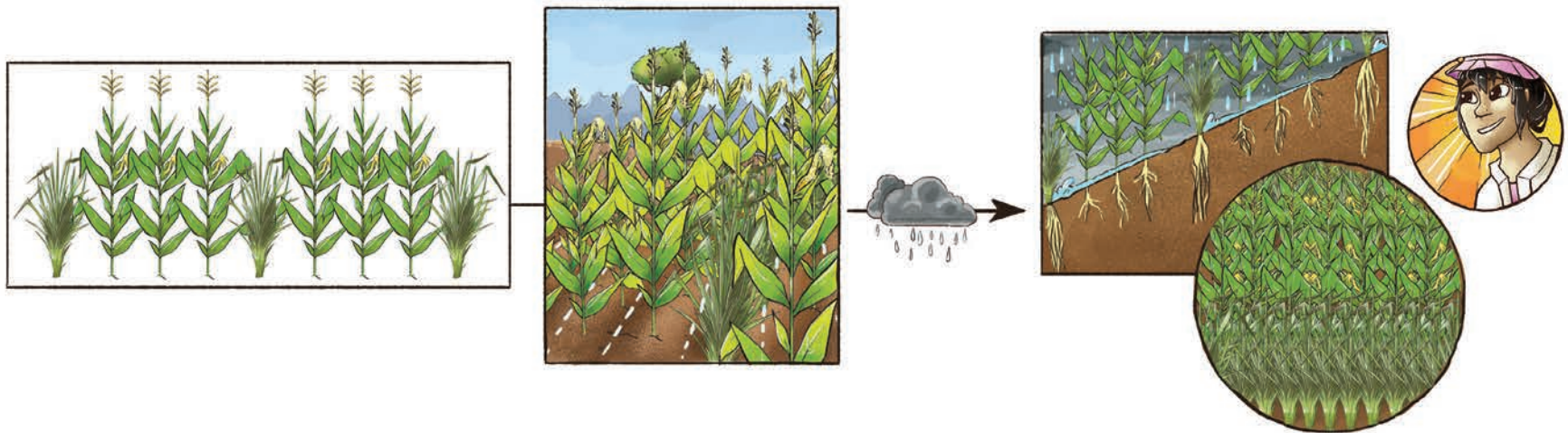
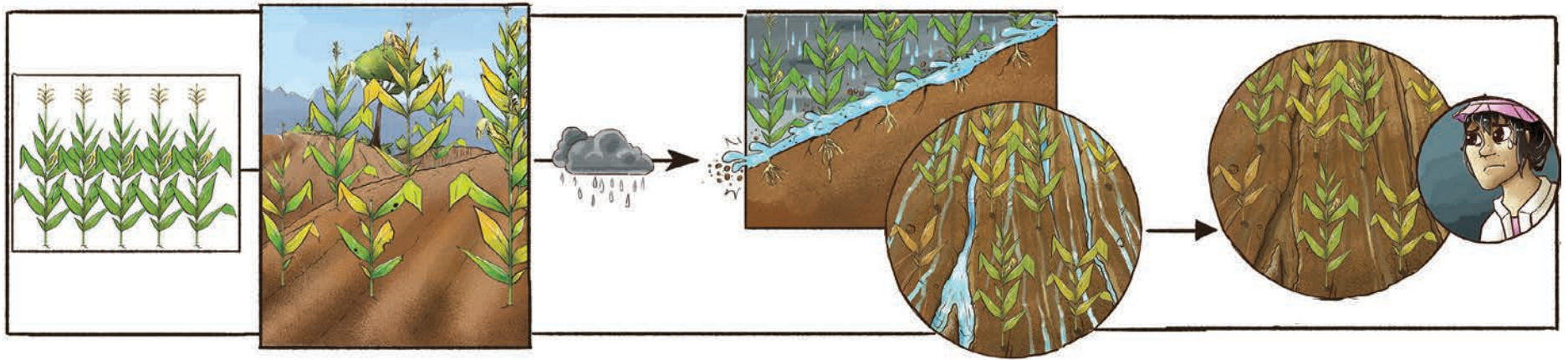
Chapter 5: Soil Health

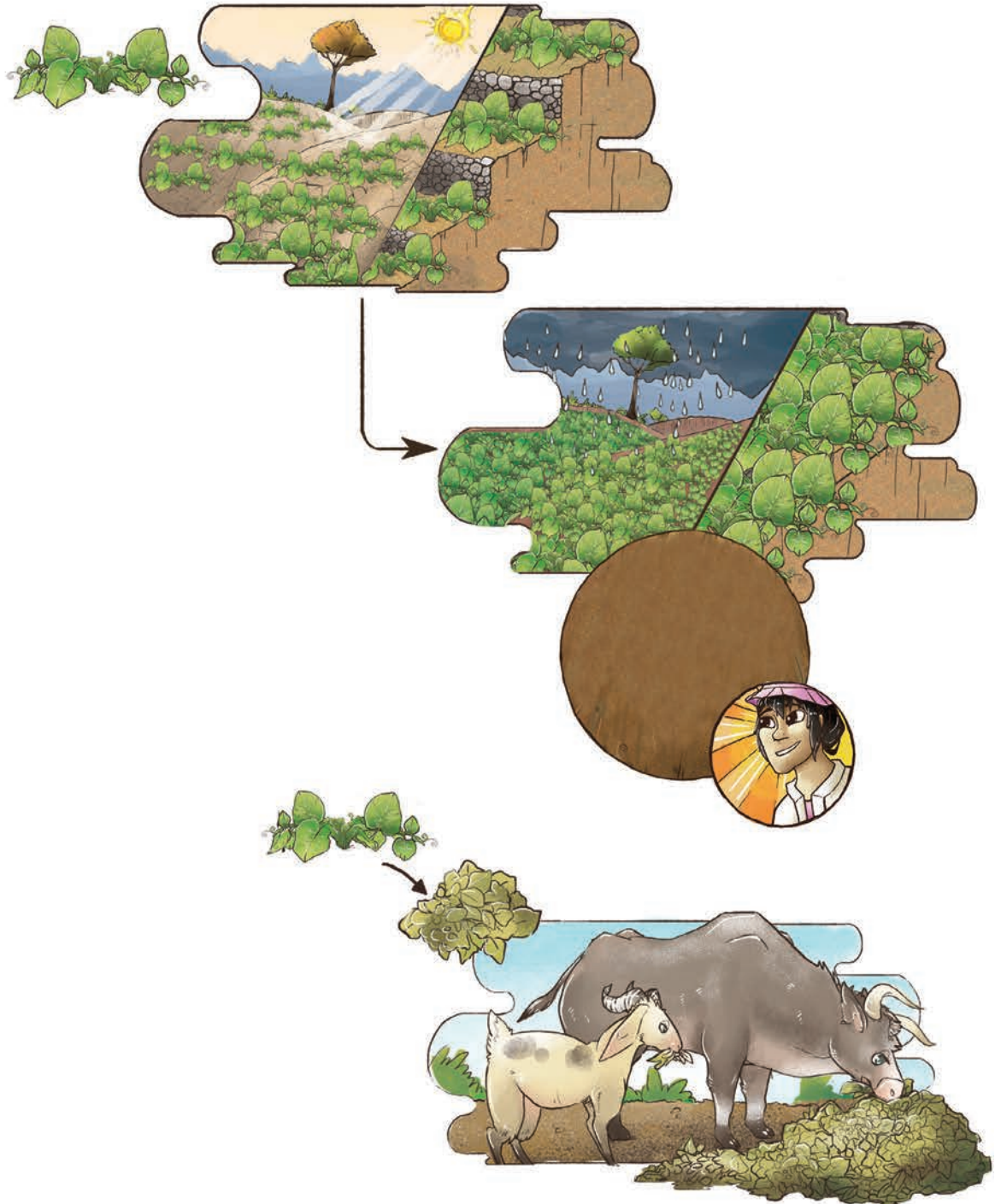
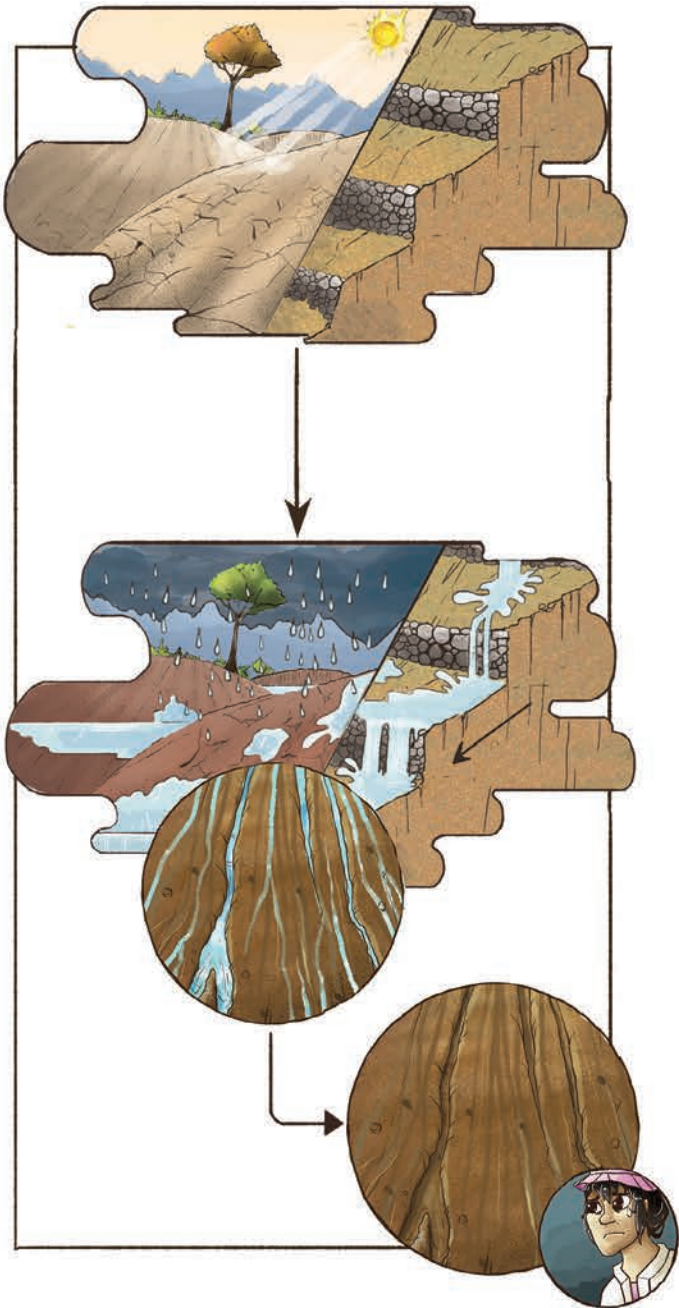


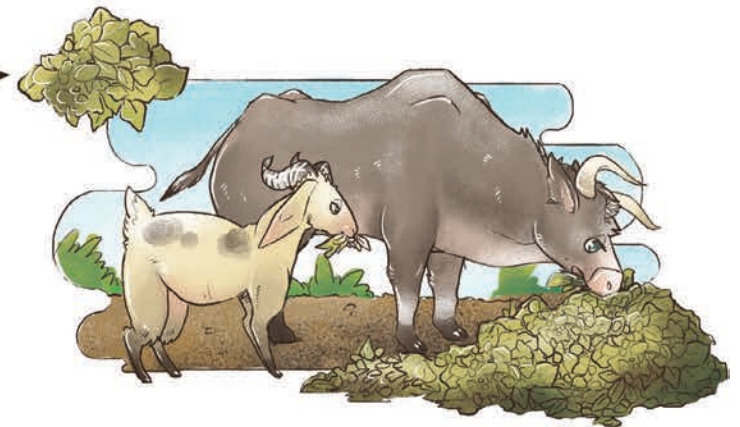
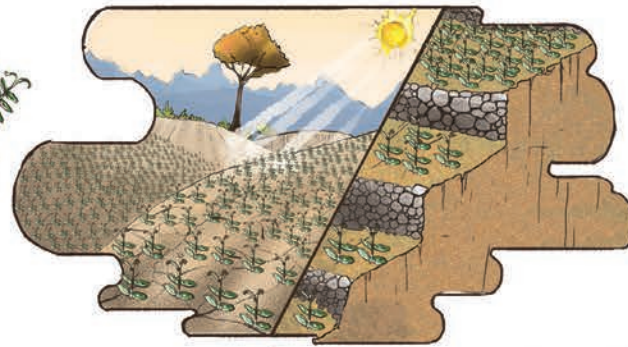
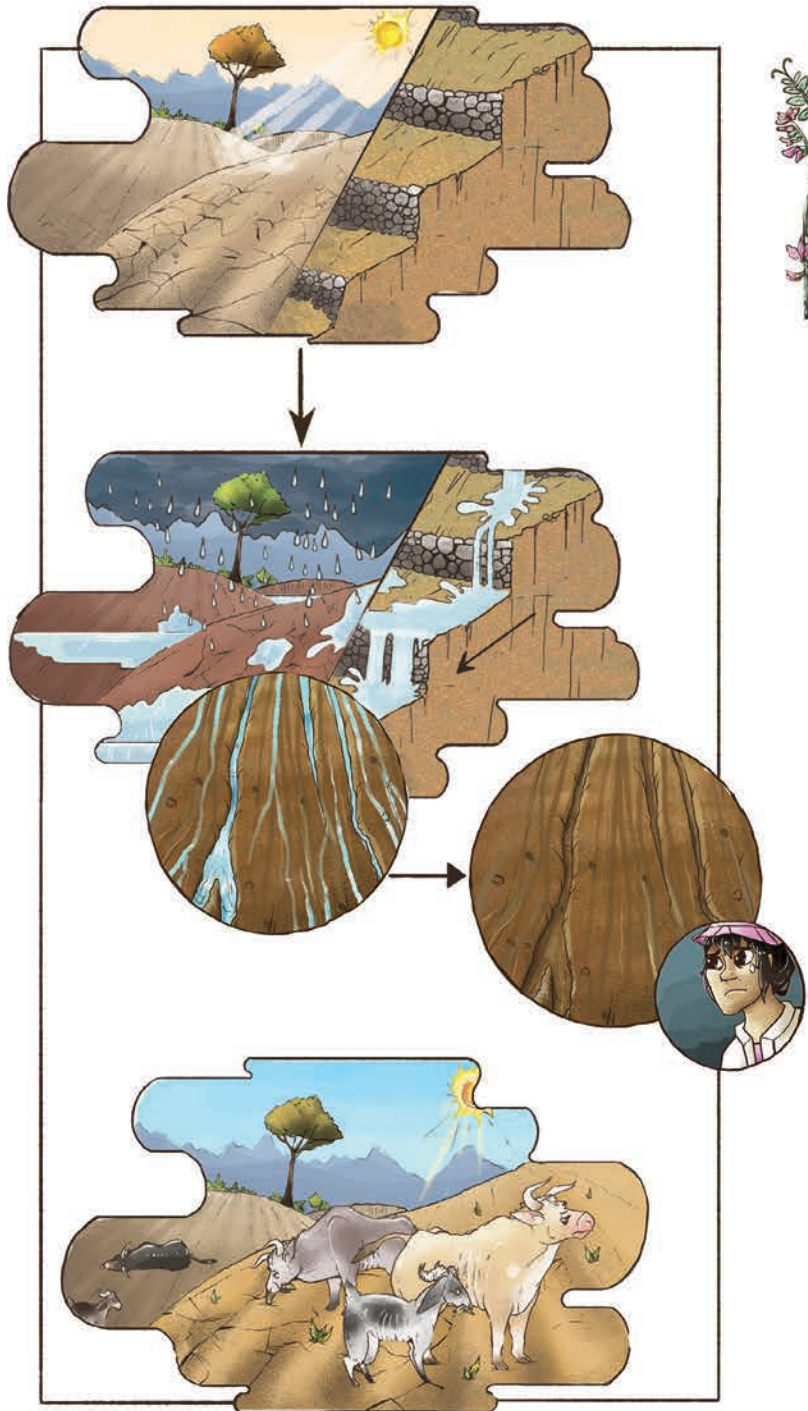


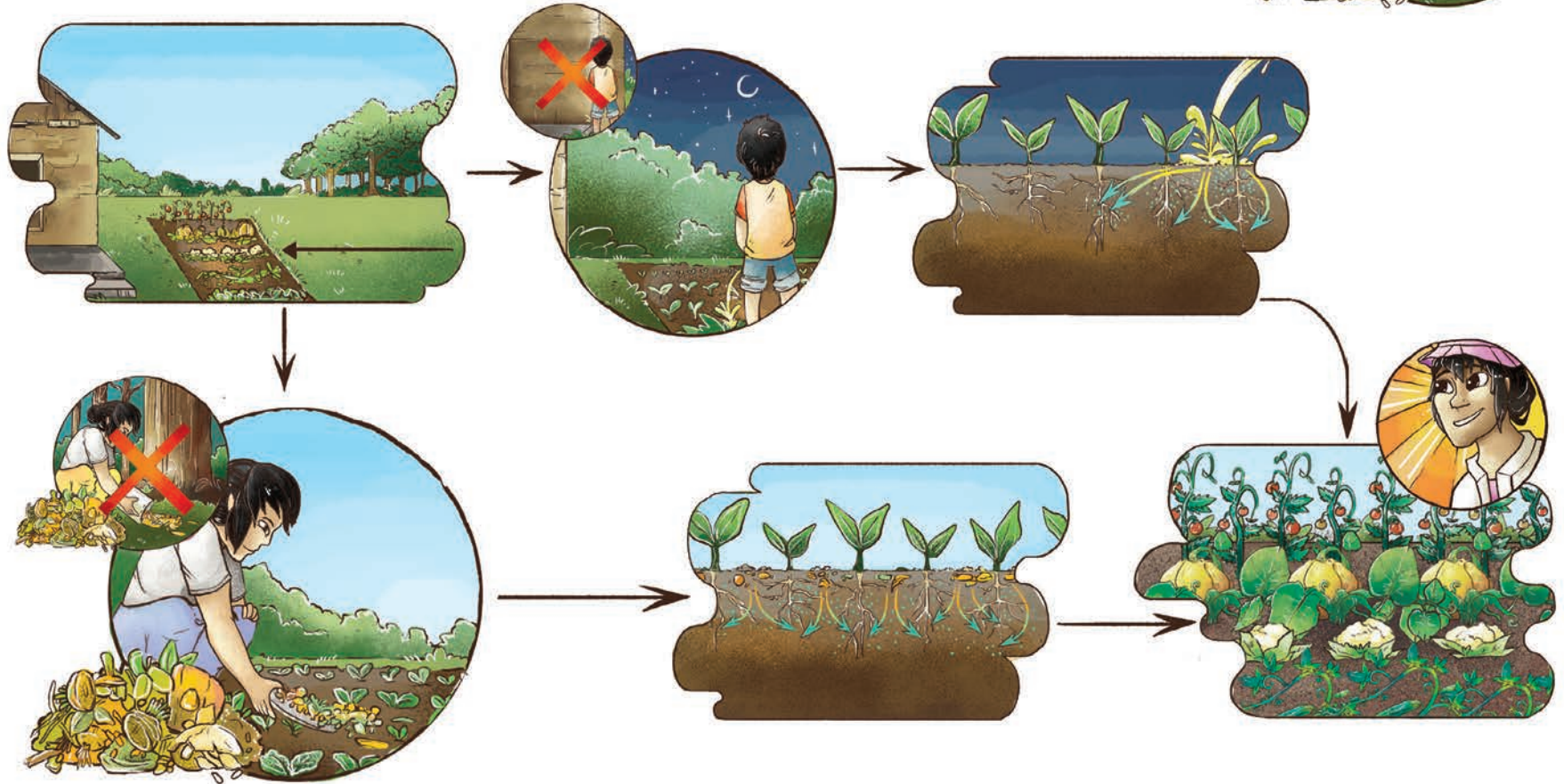


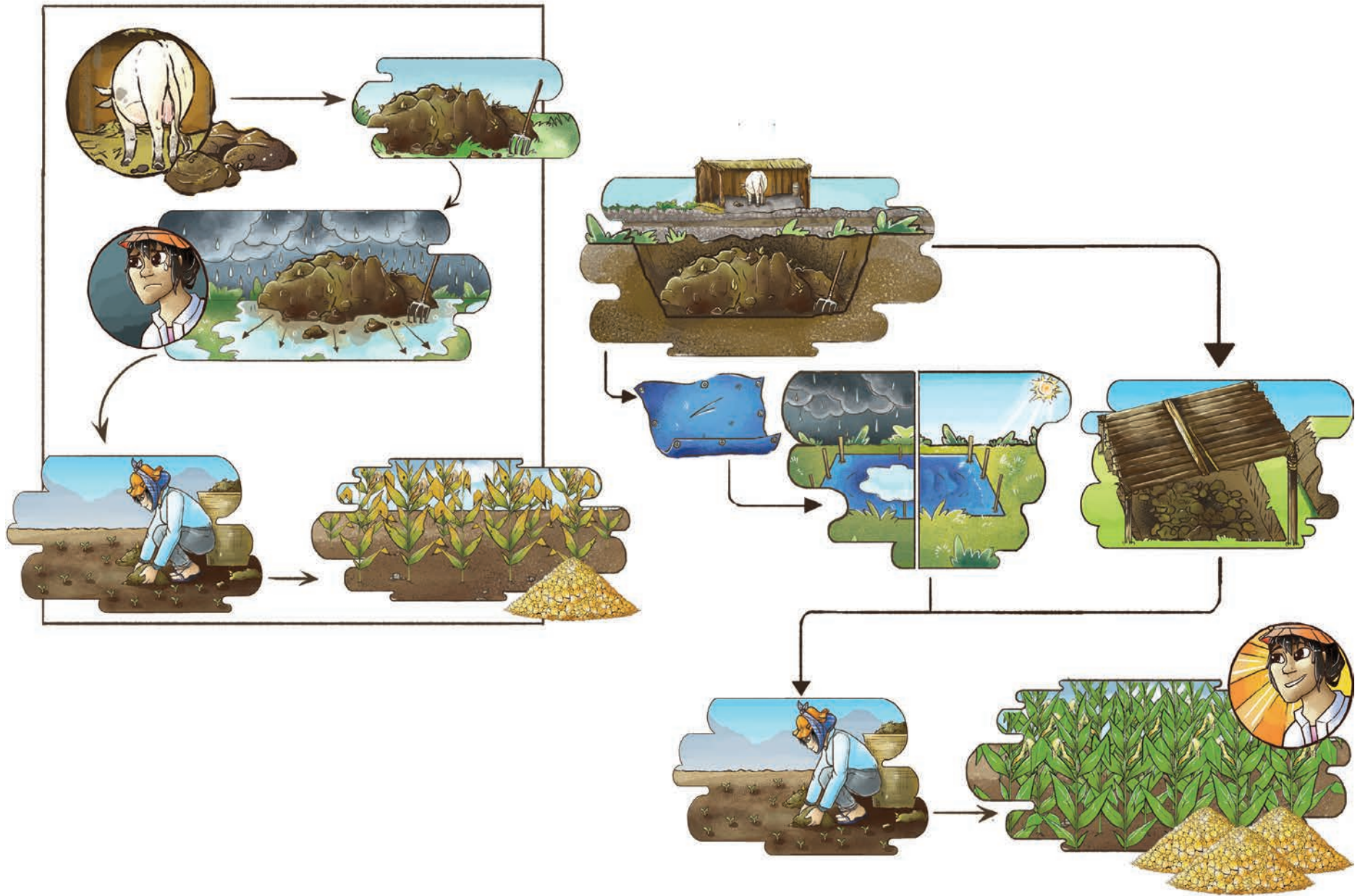


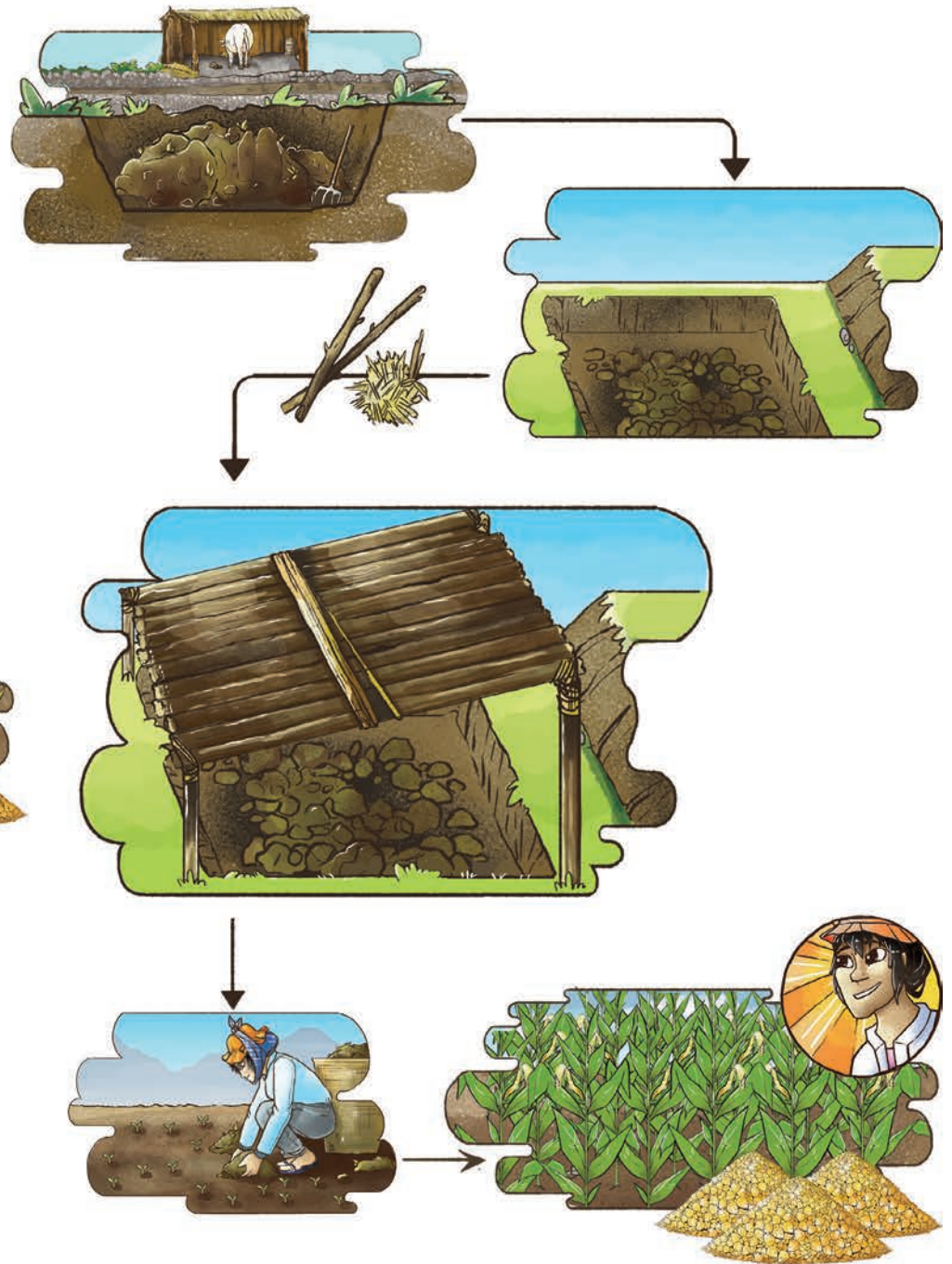
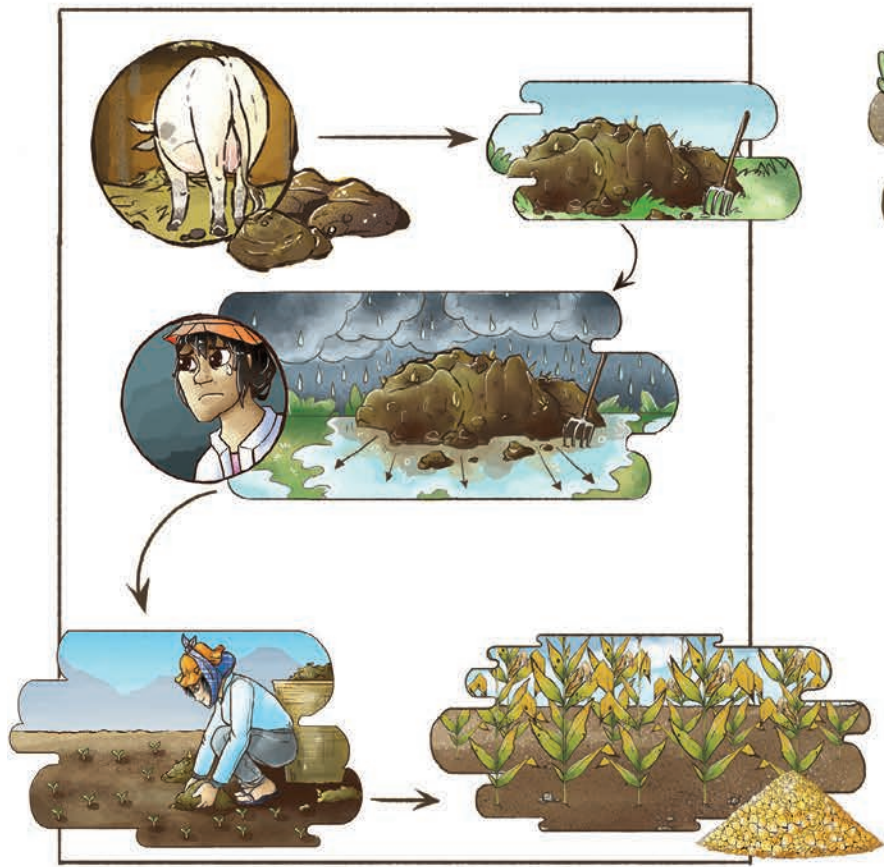


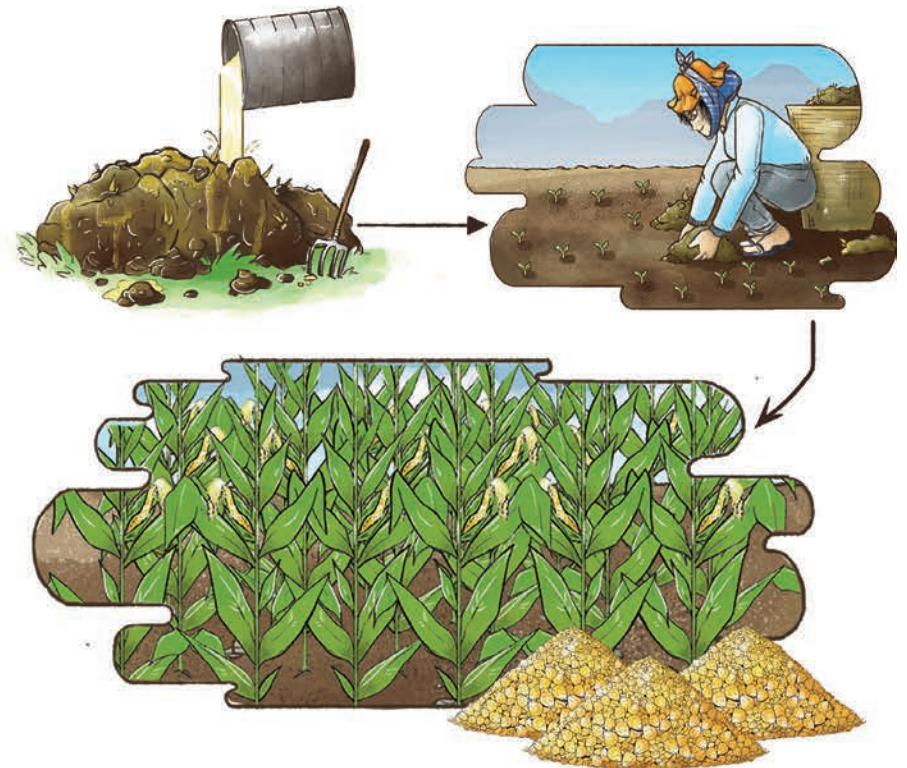
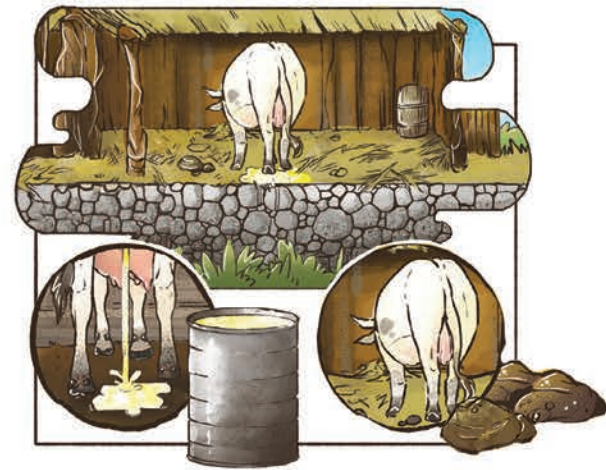
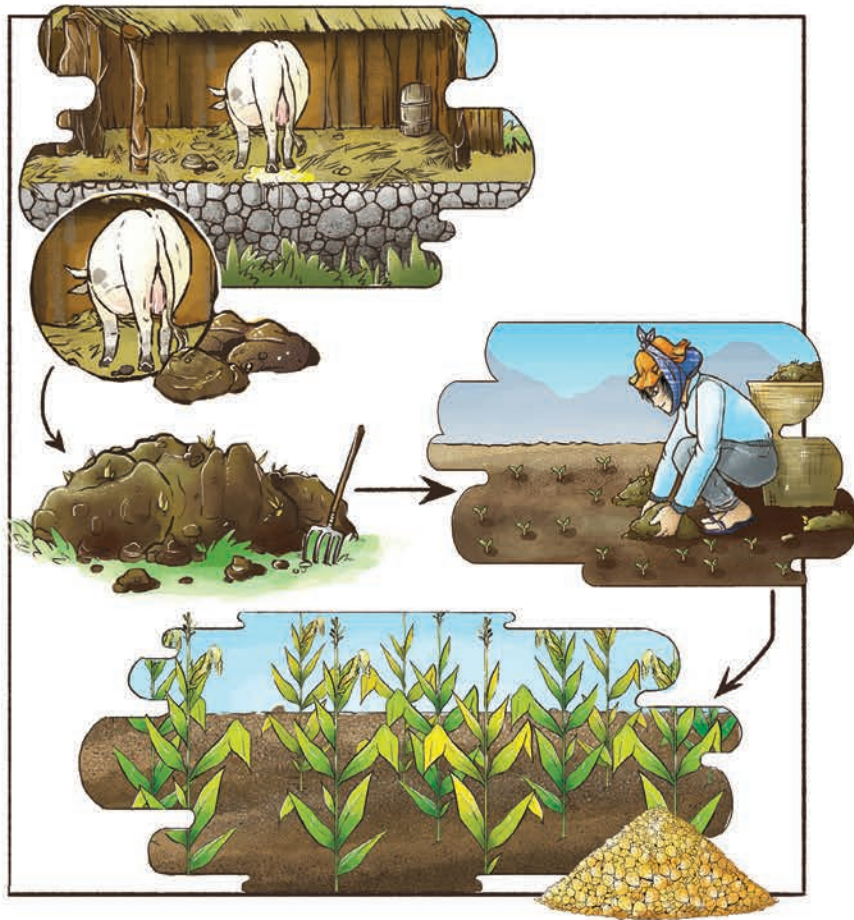


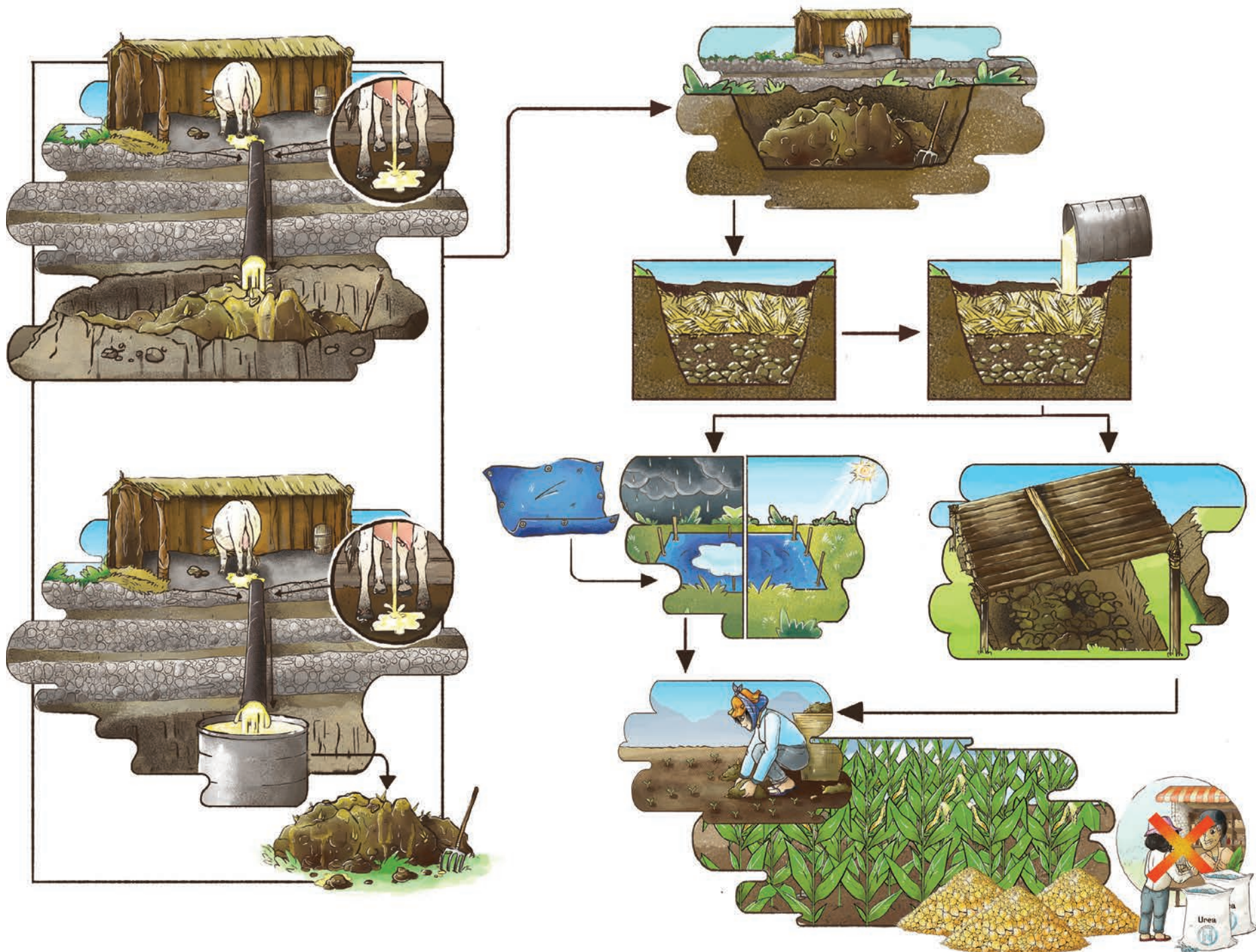


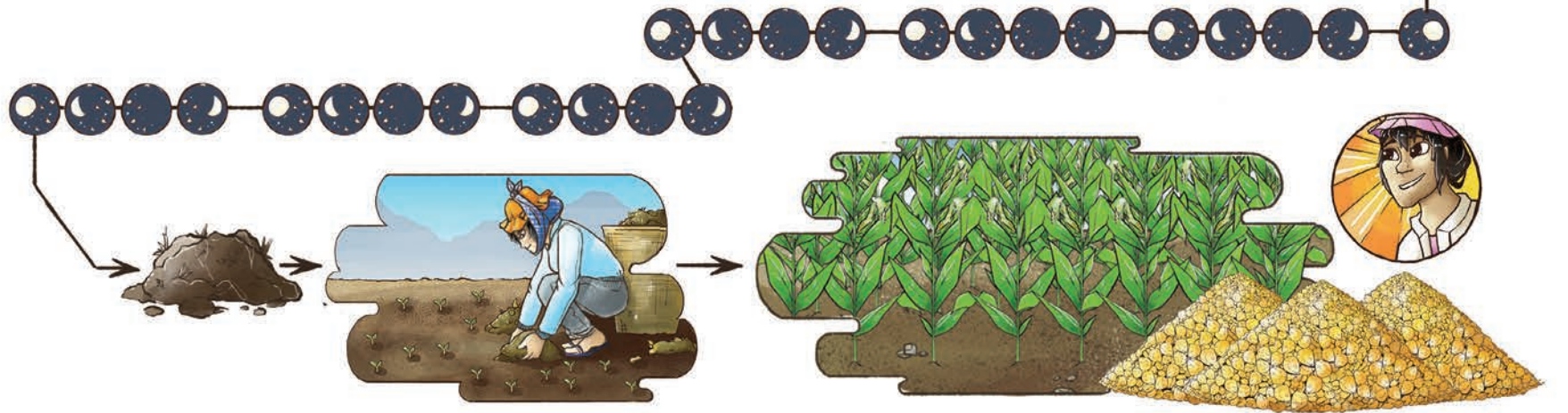
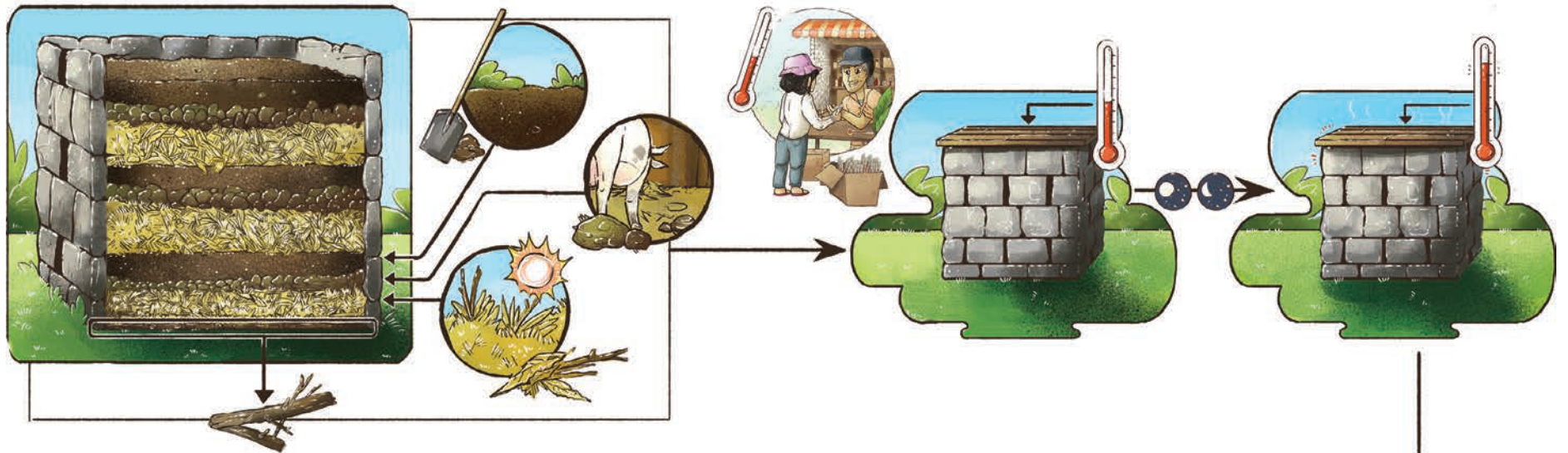
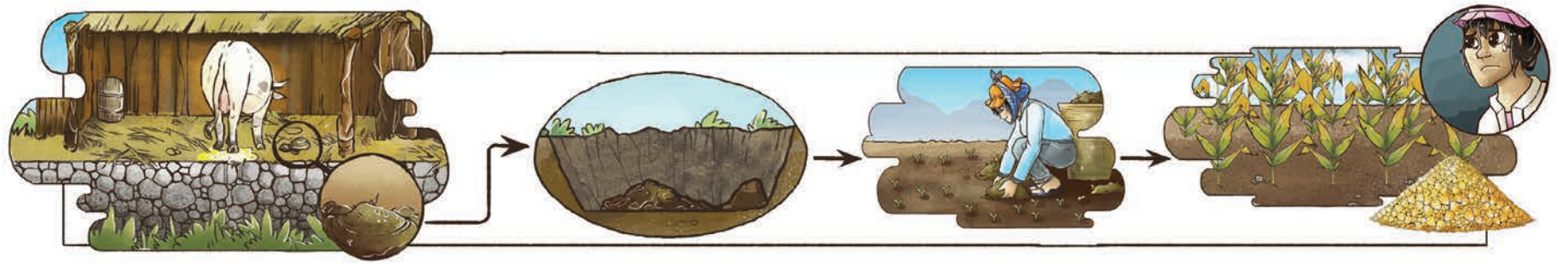


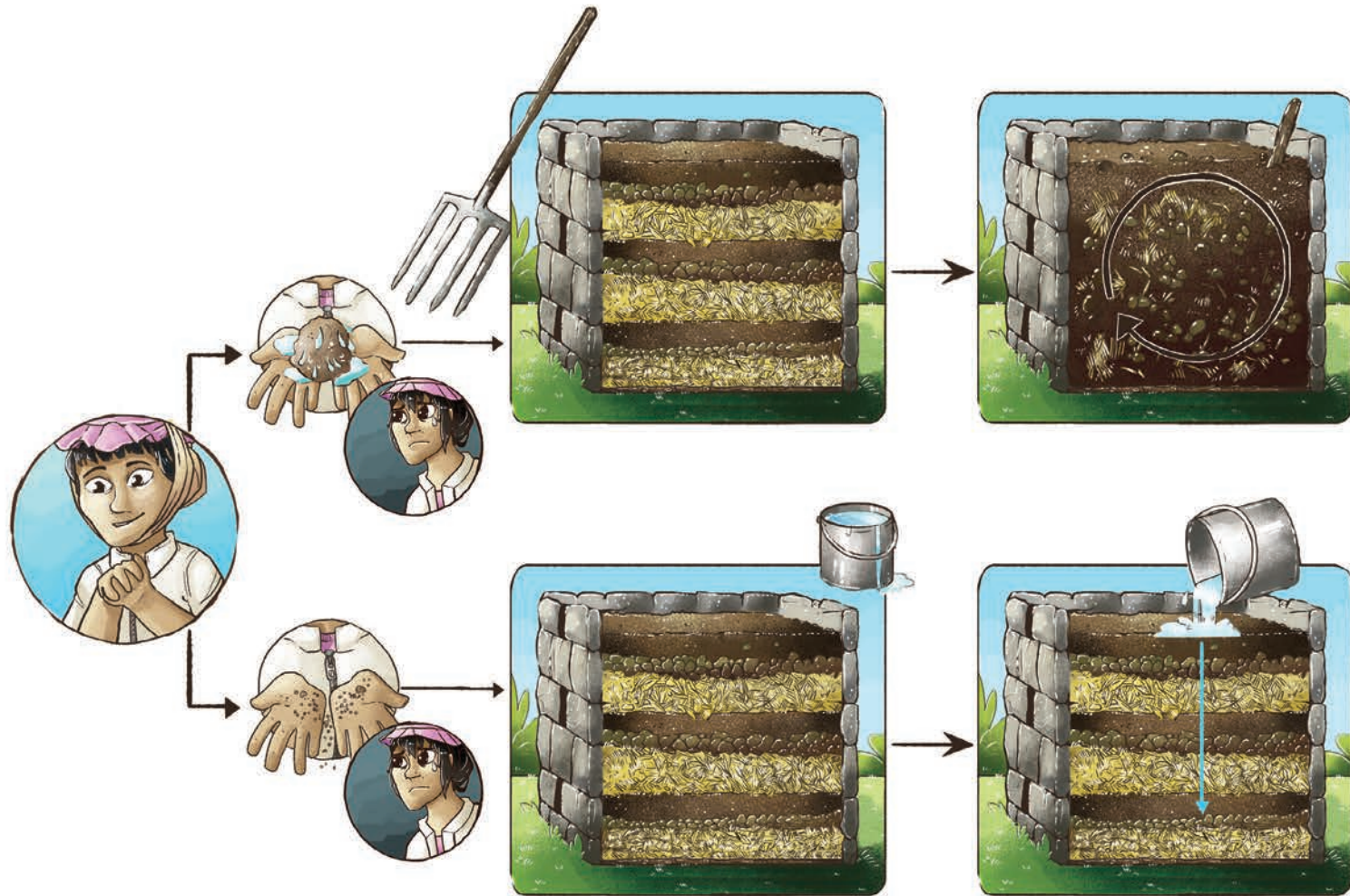


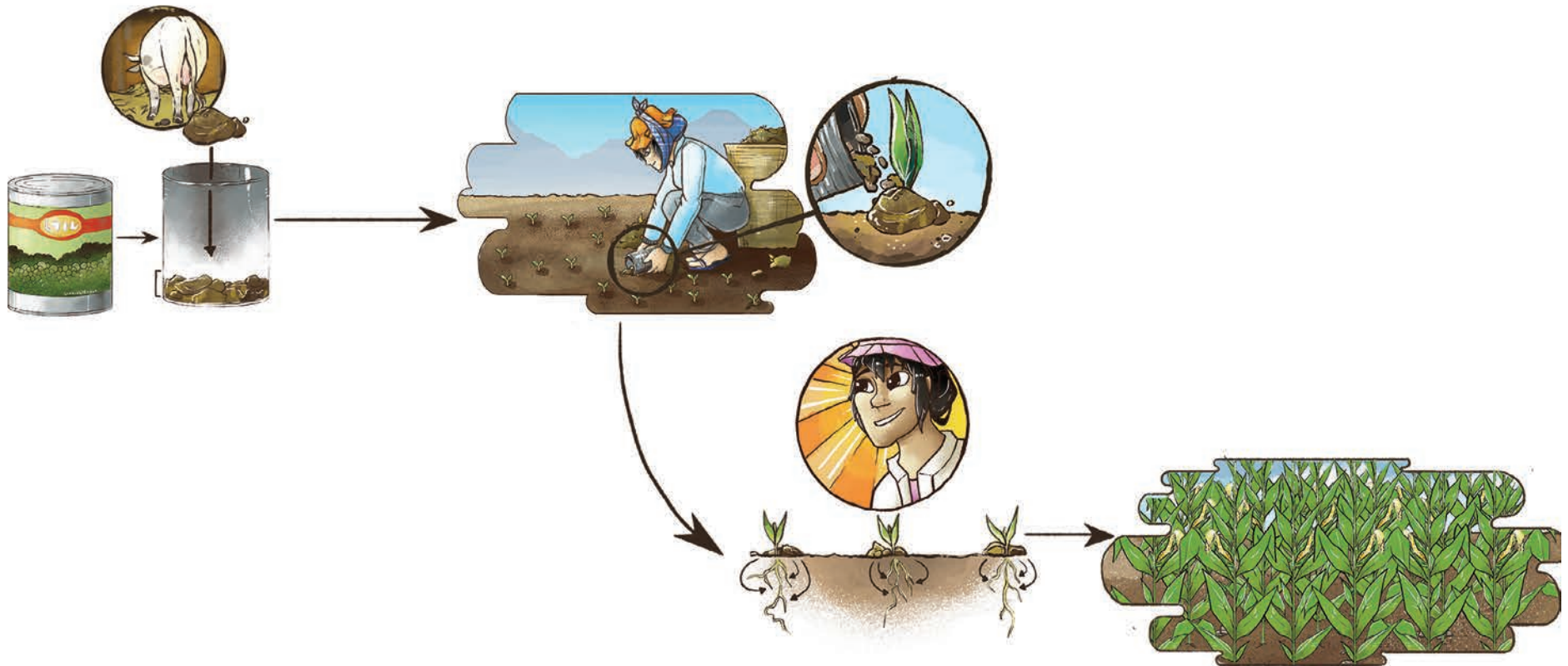
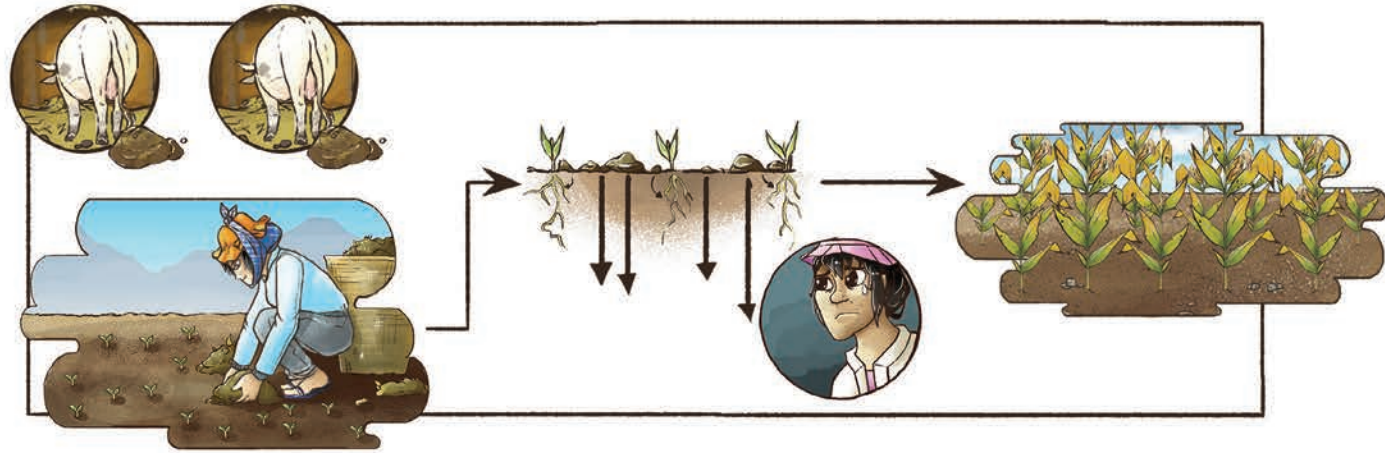


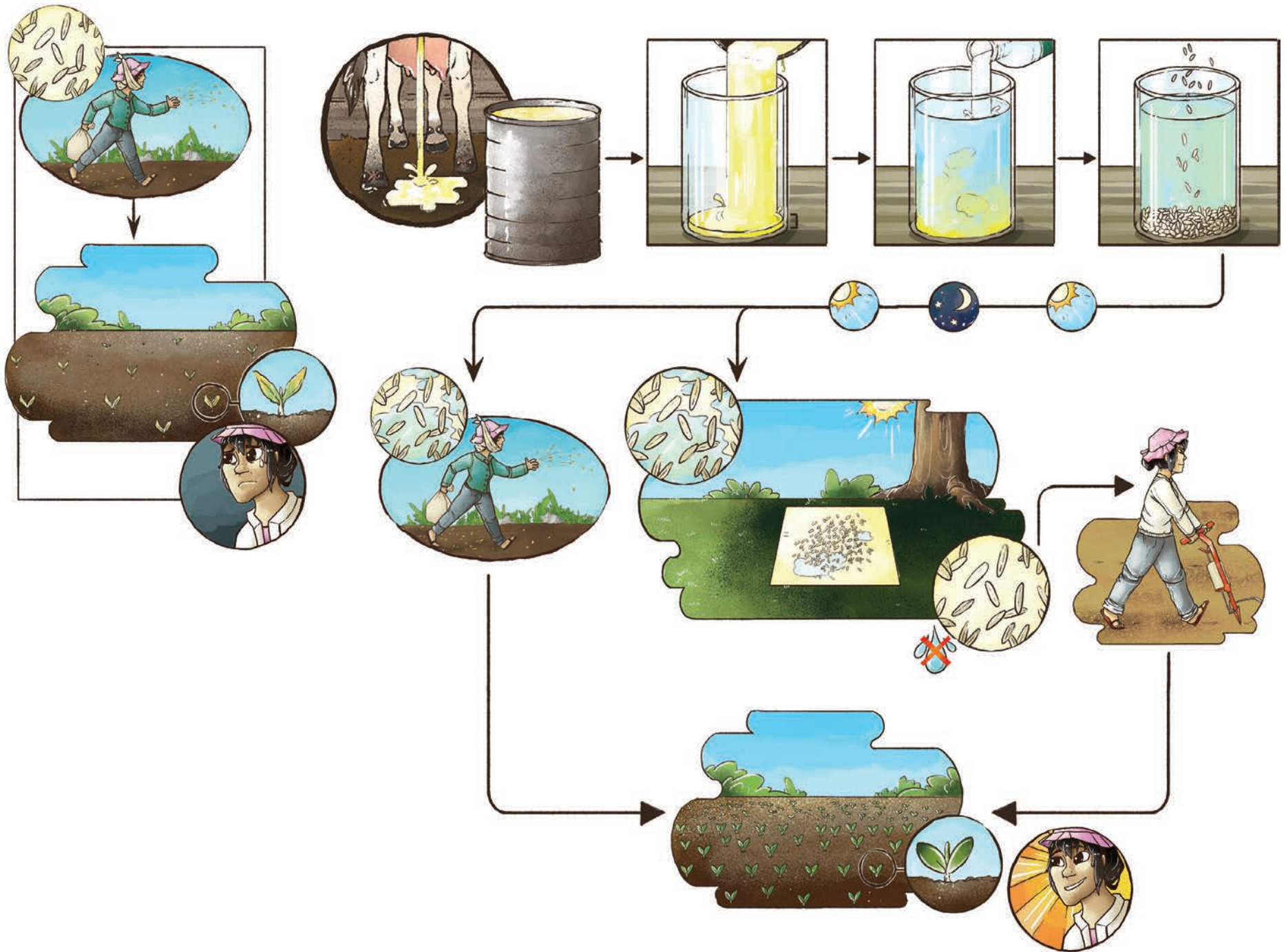


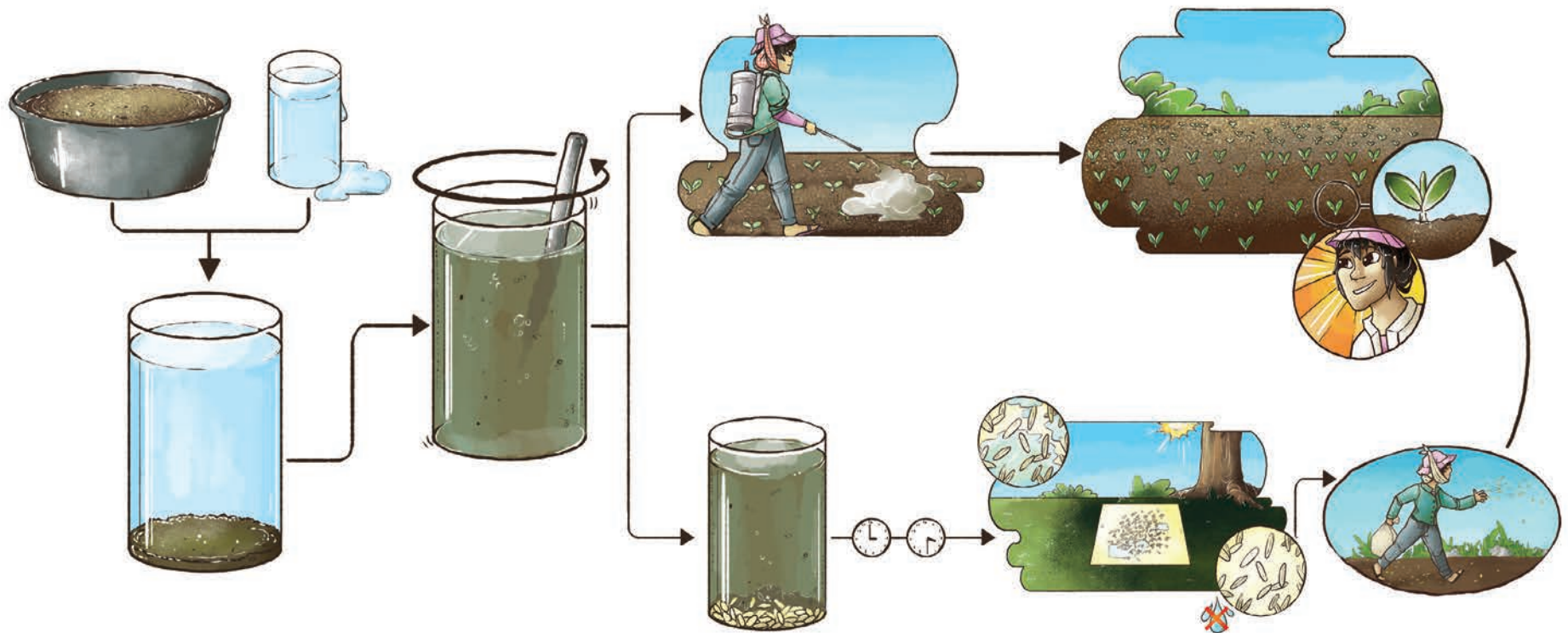
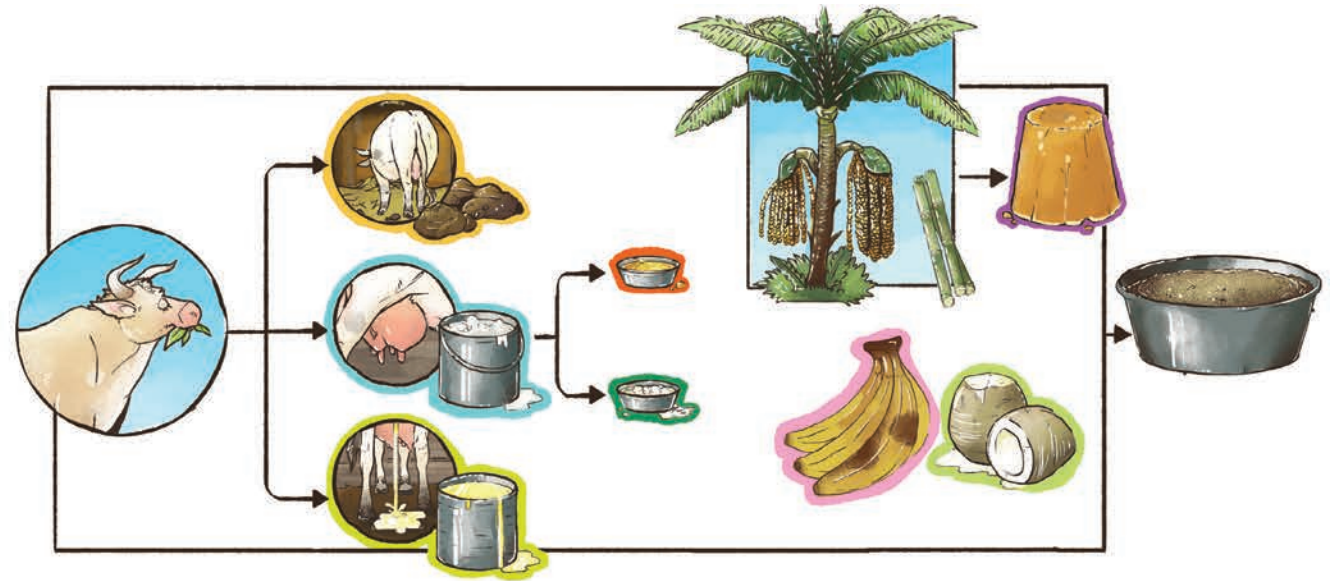
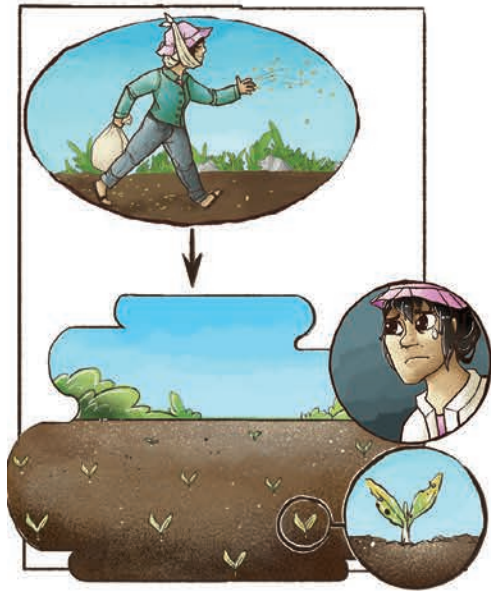


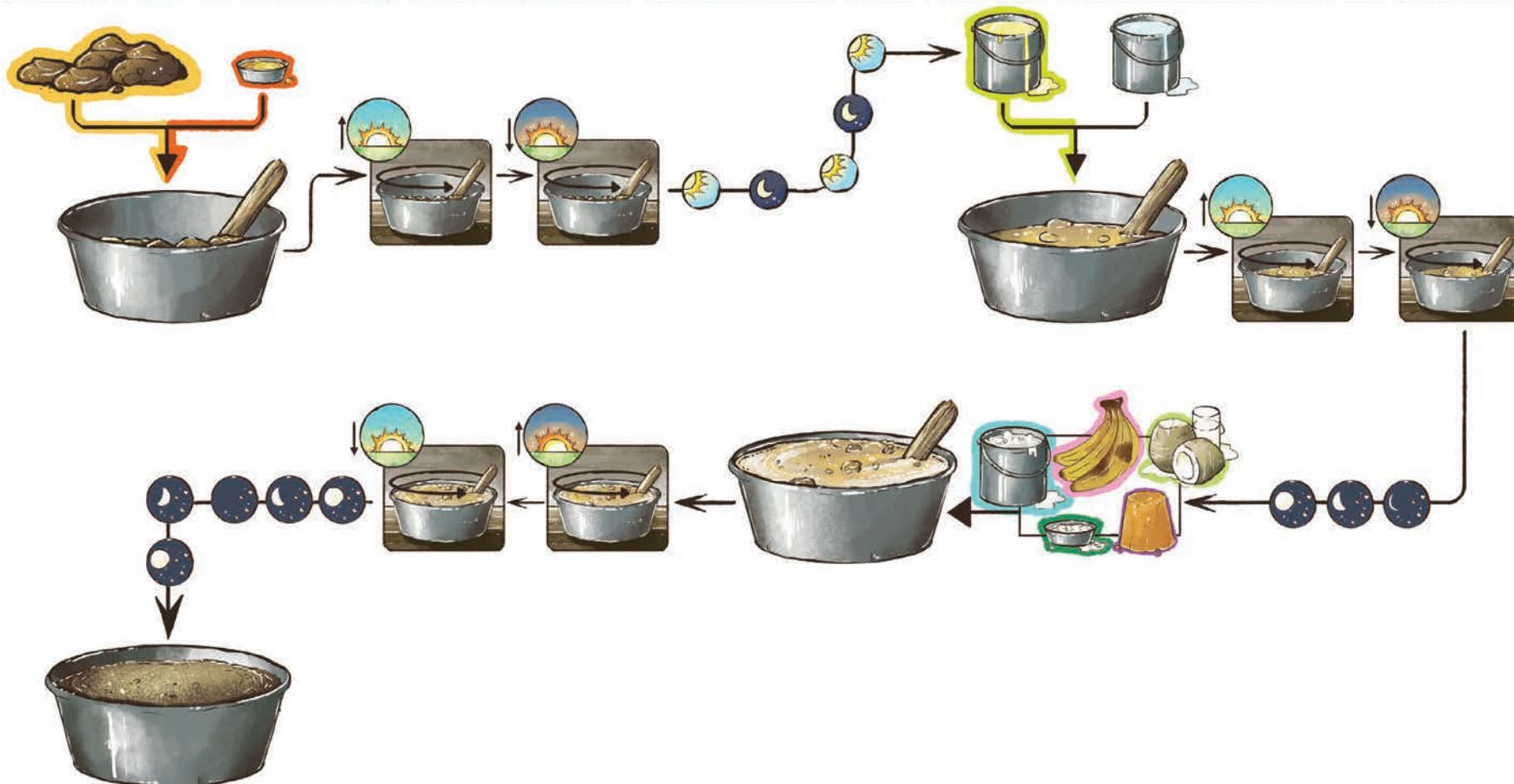
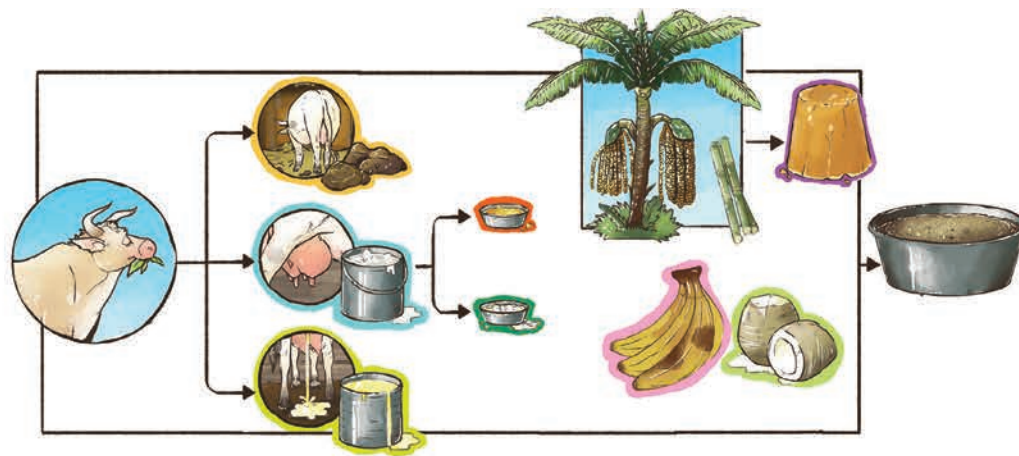


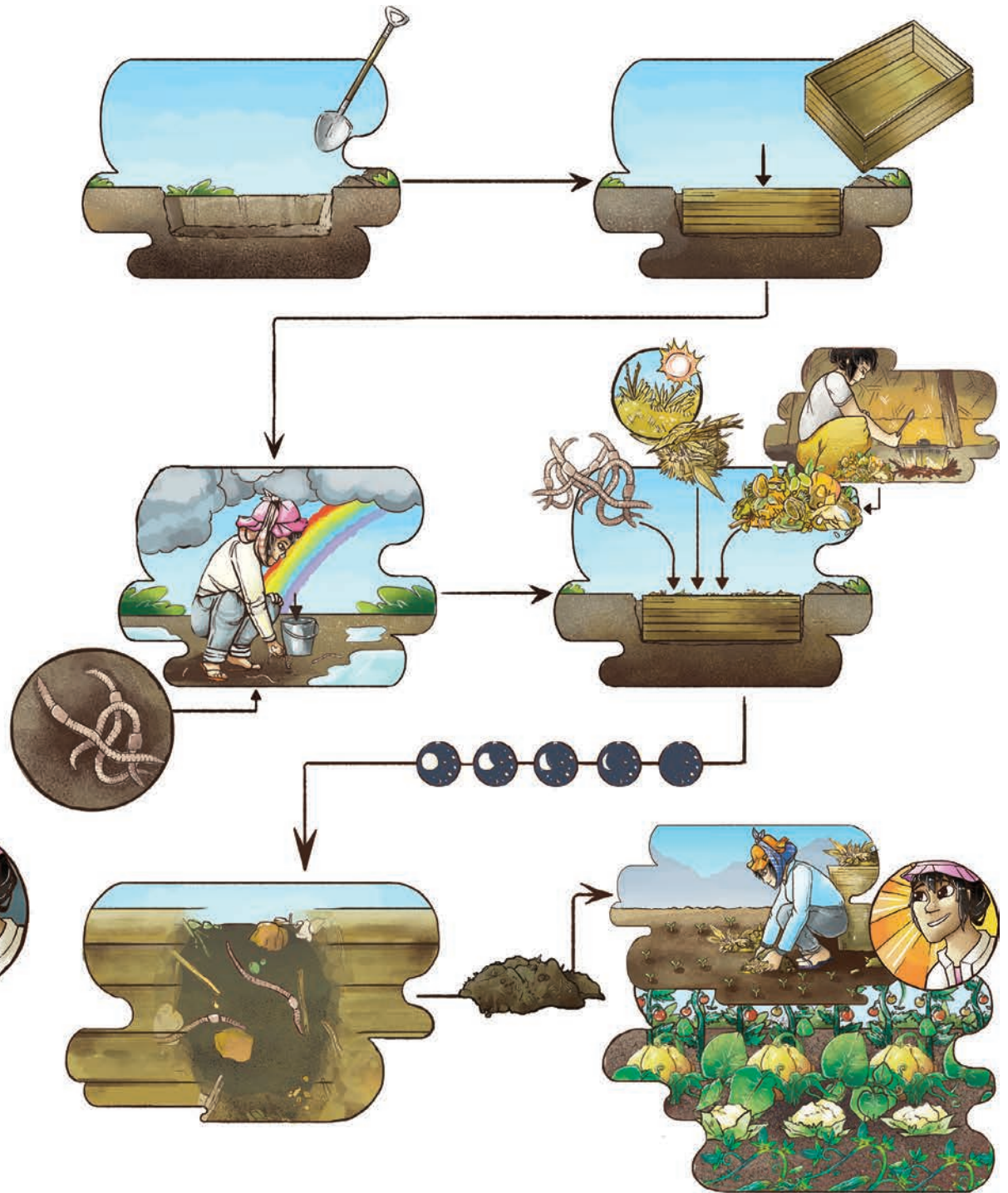
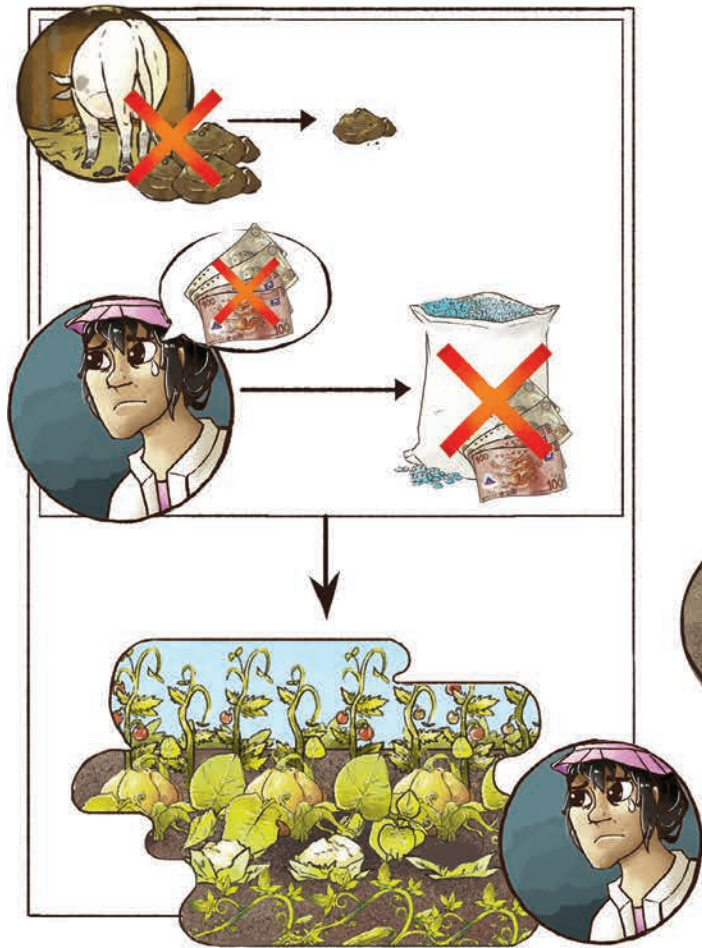


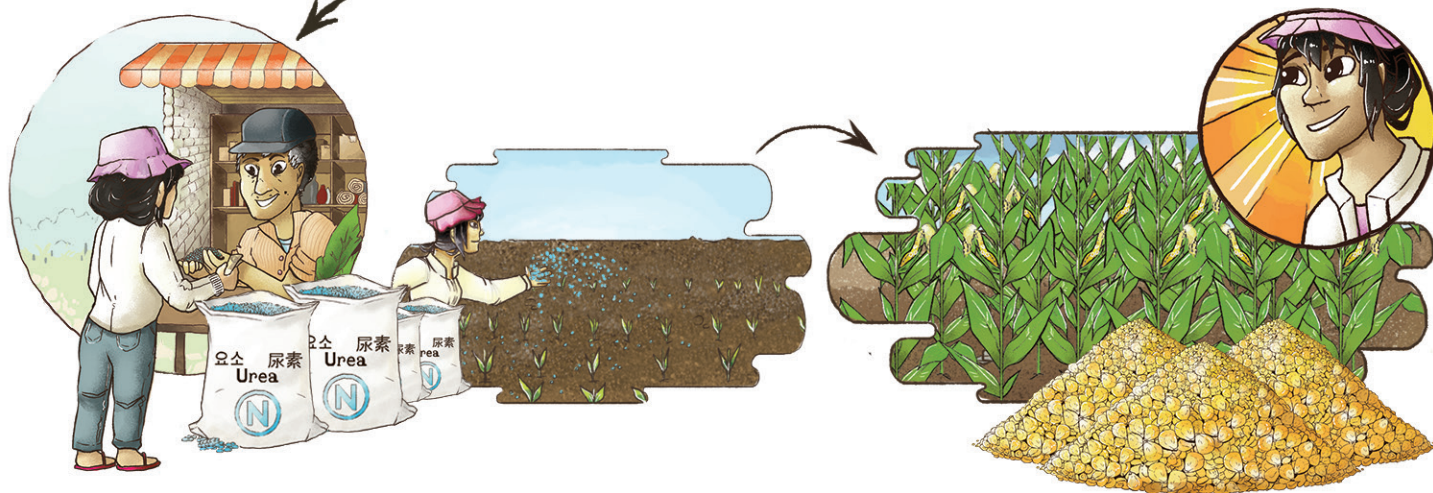
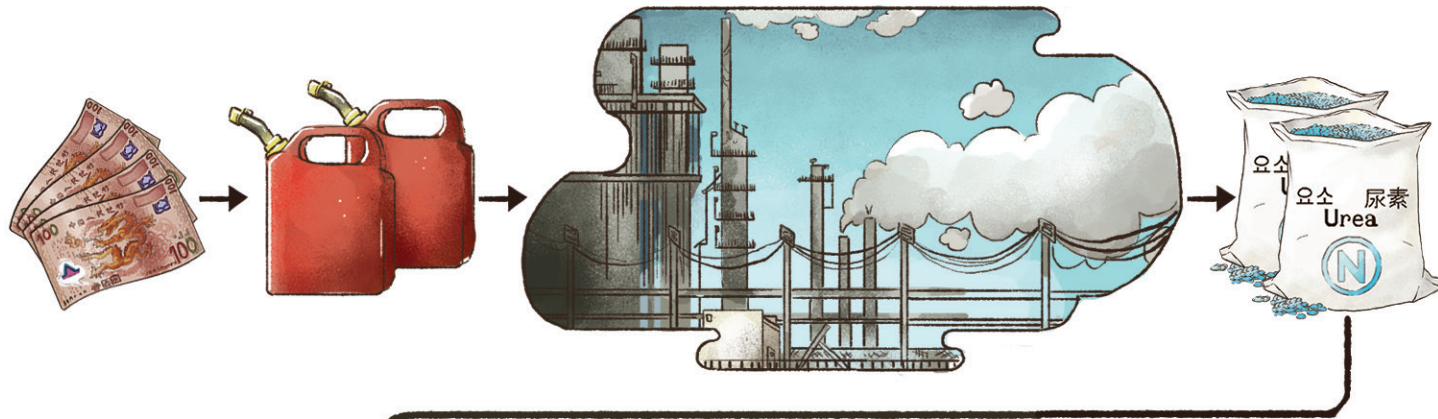
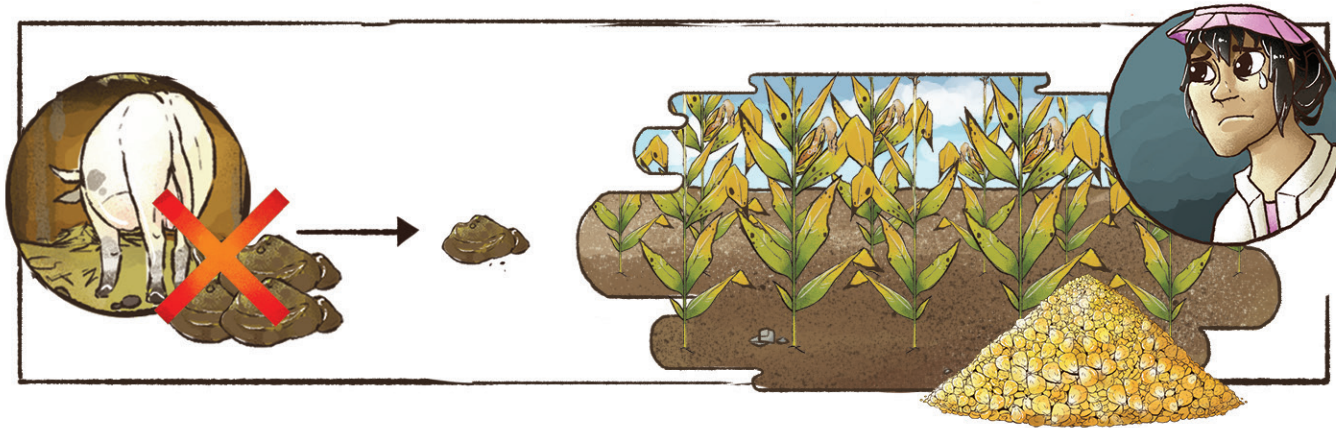


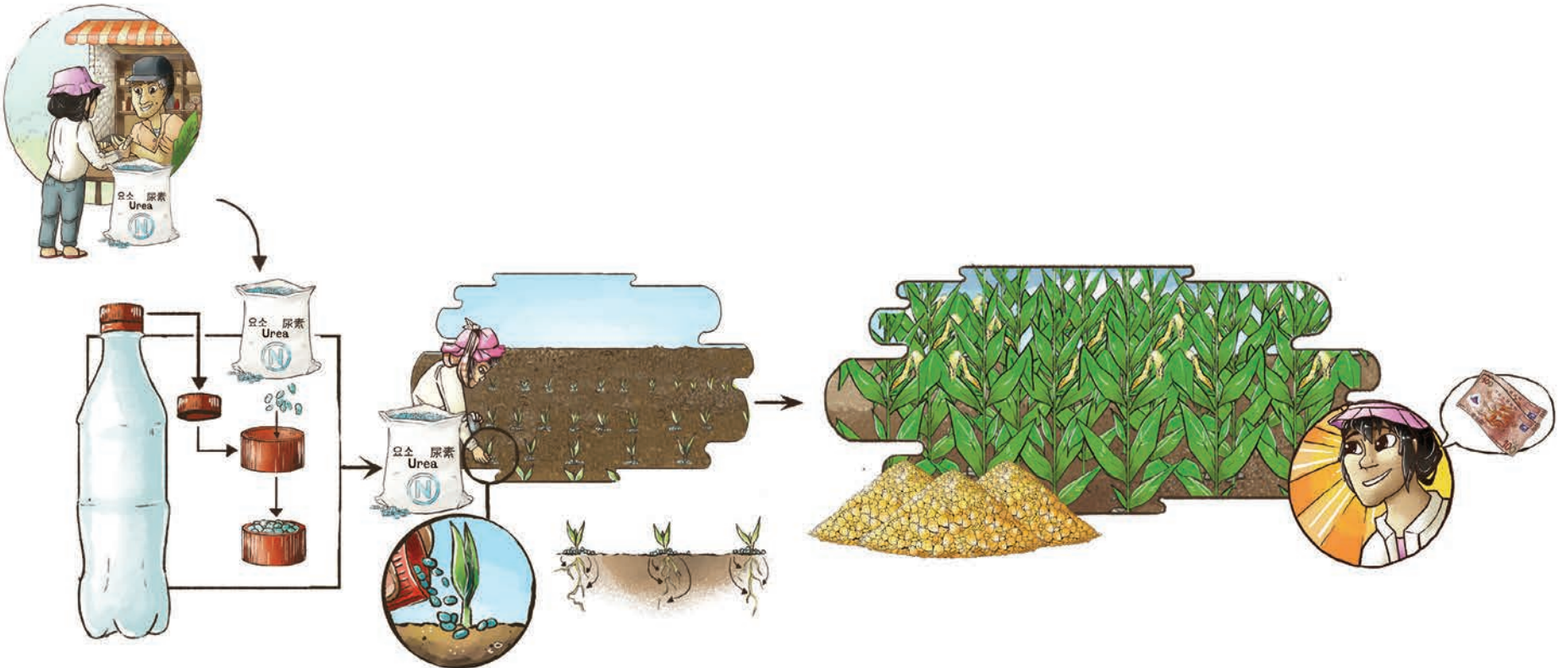
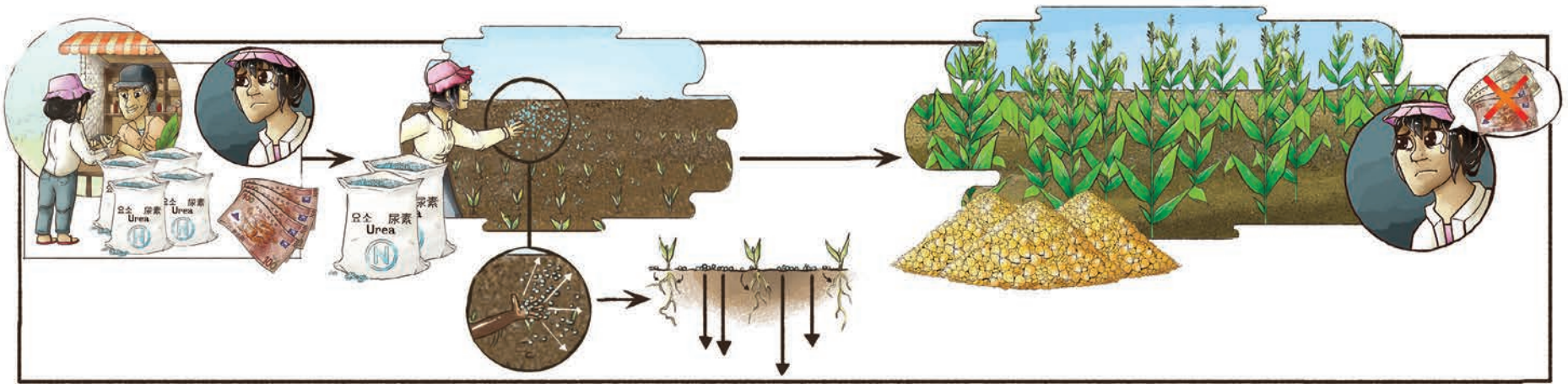


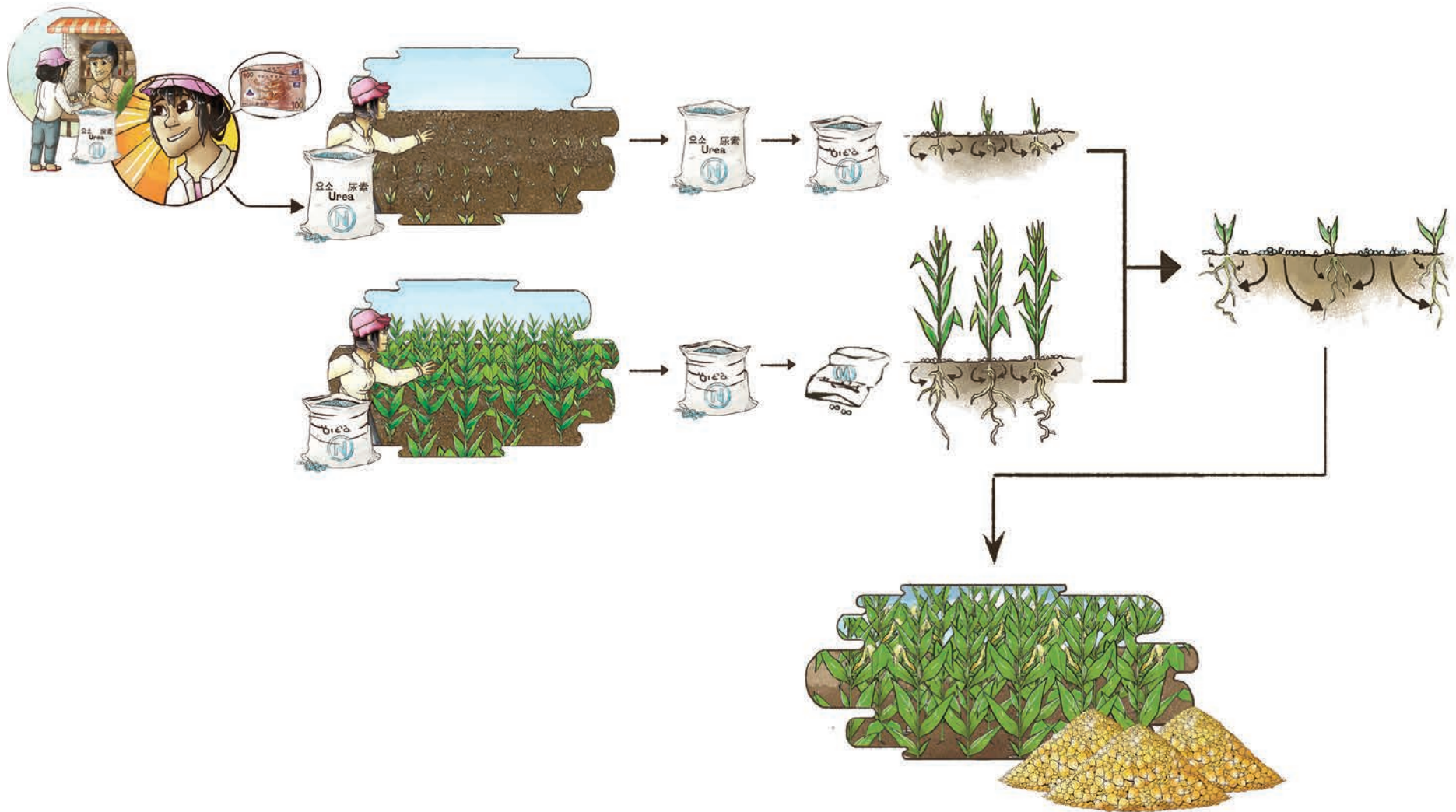
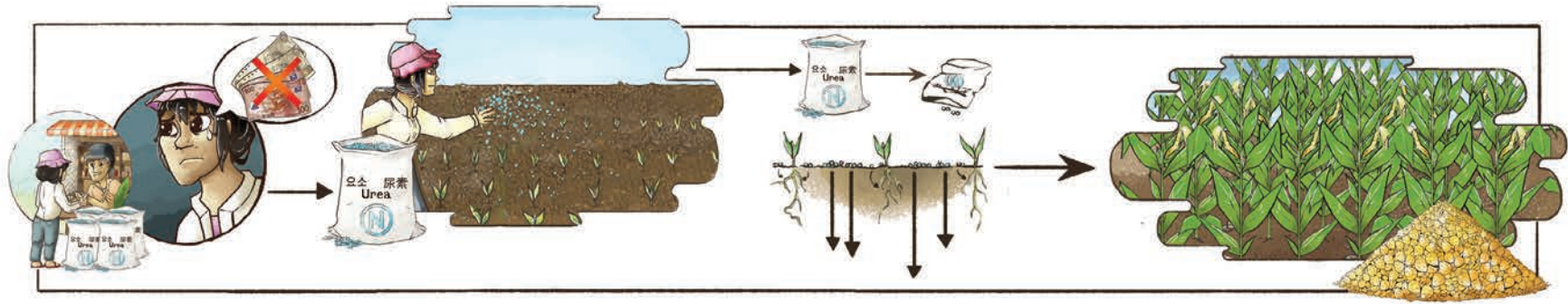


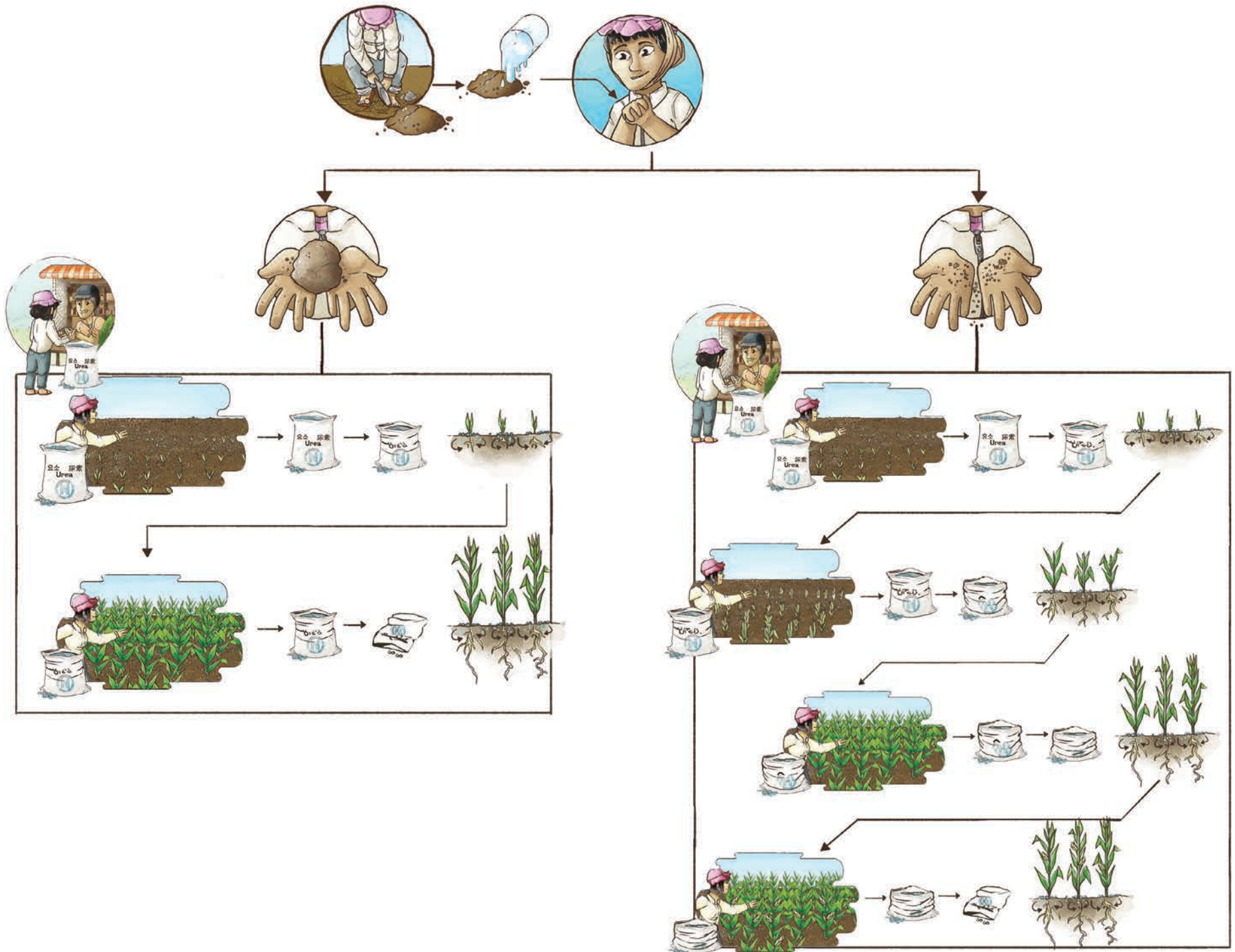


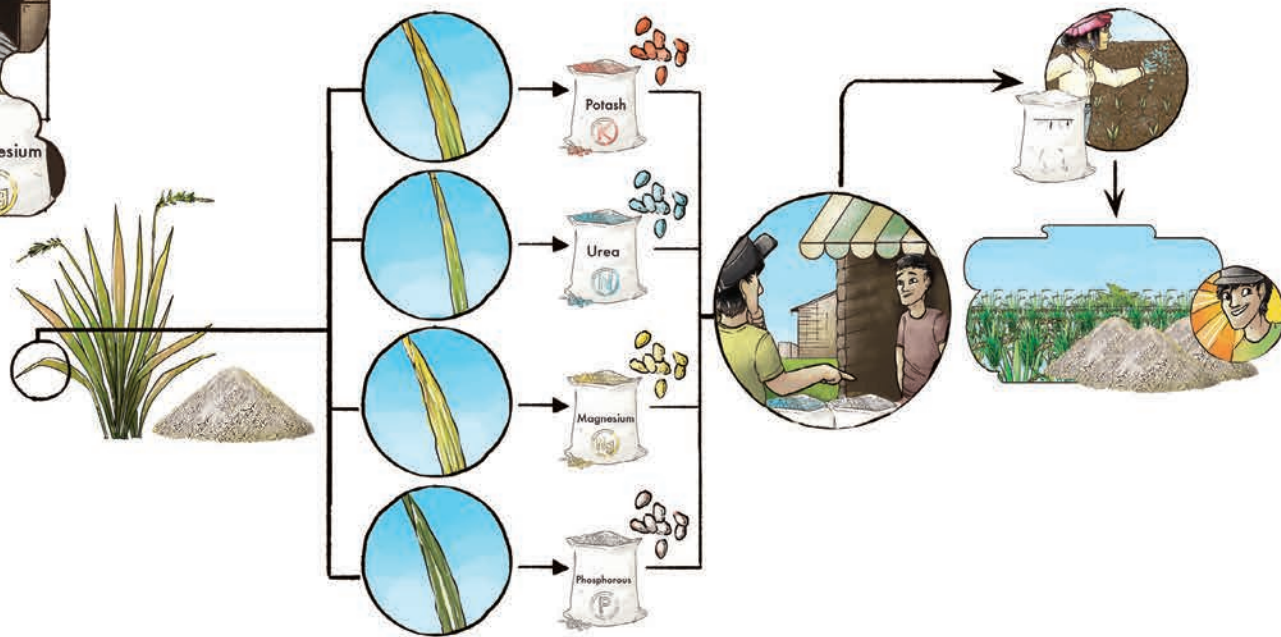
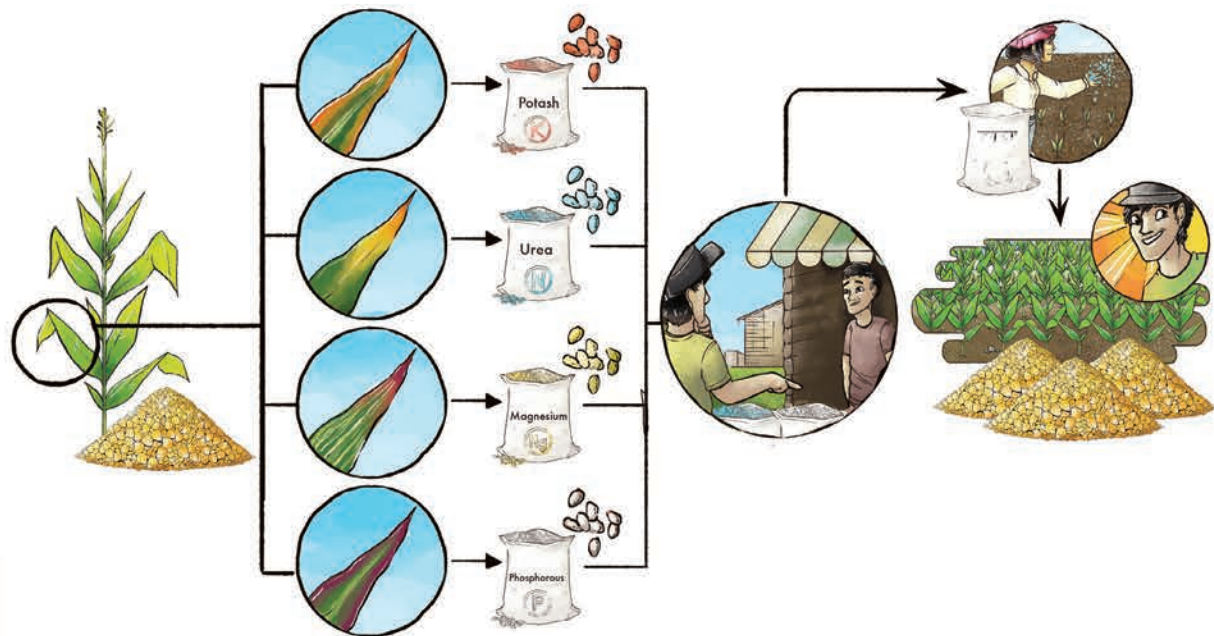


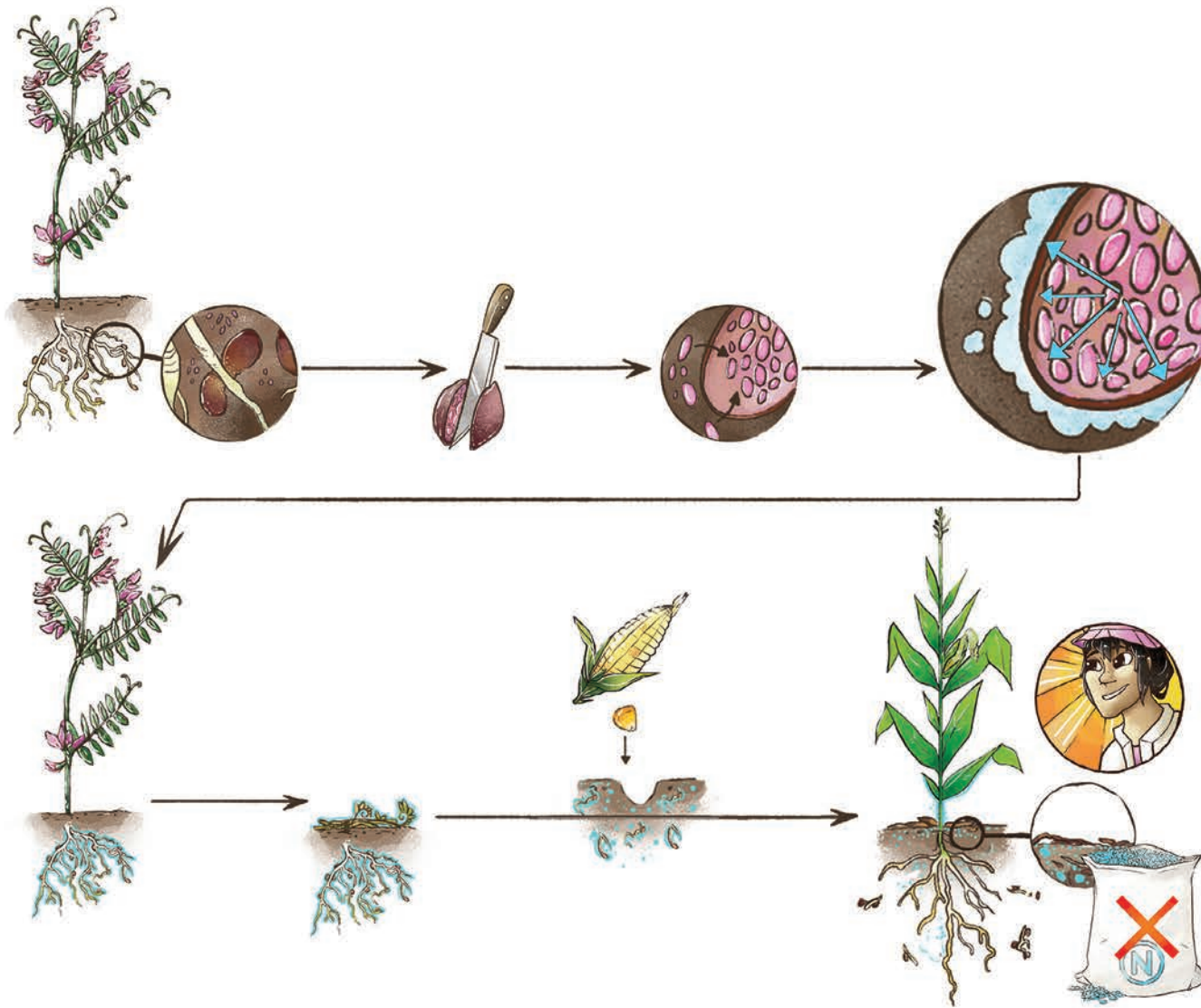


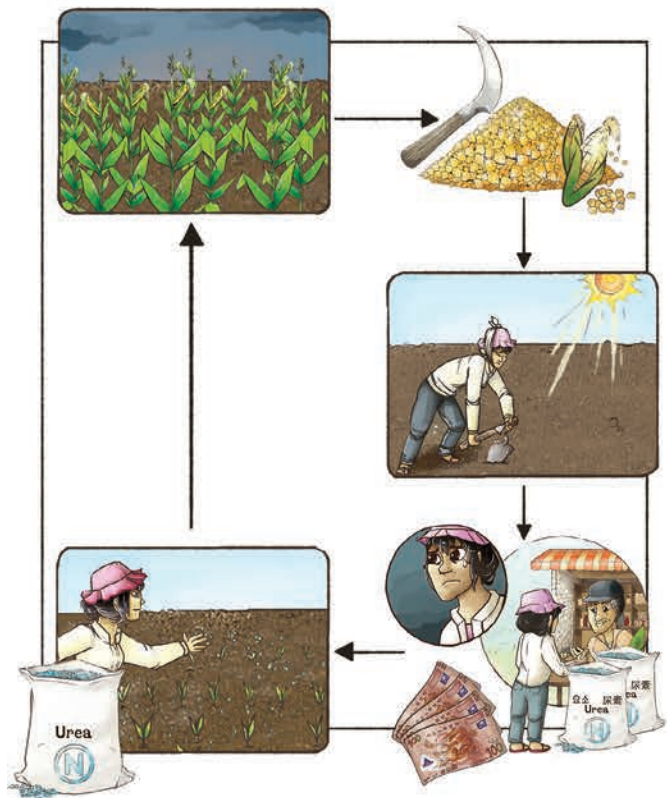


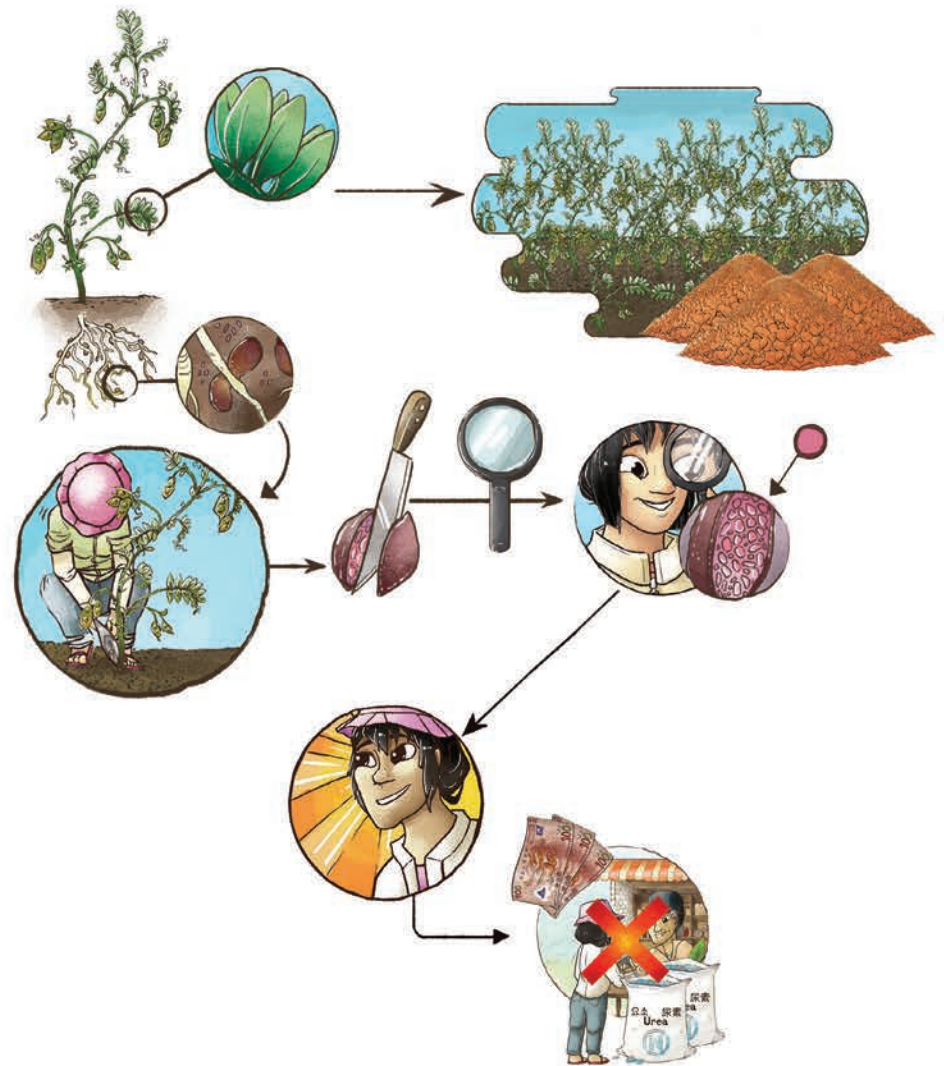
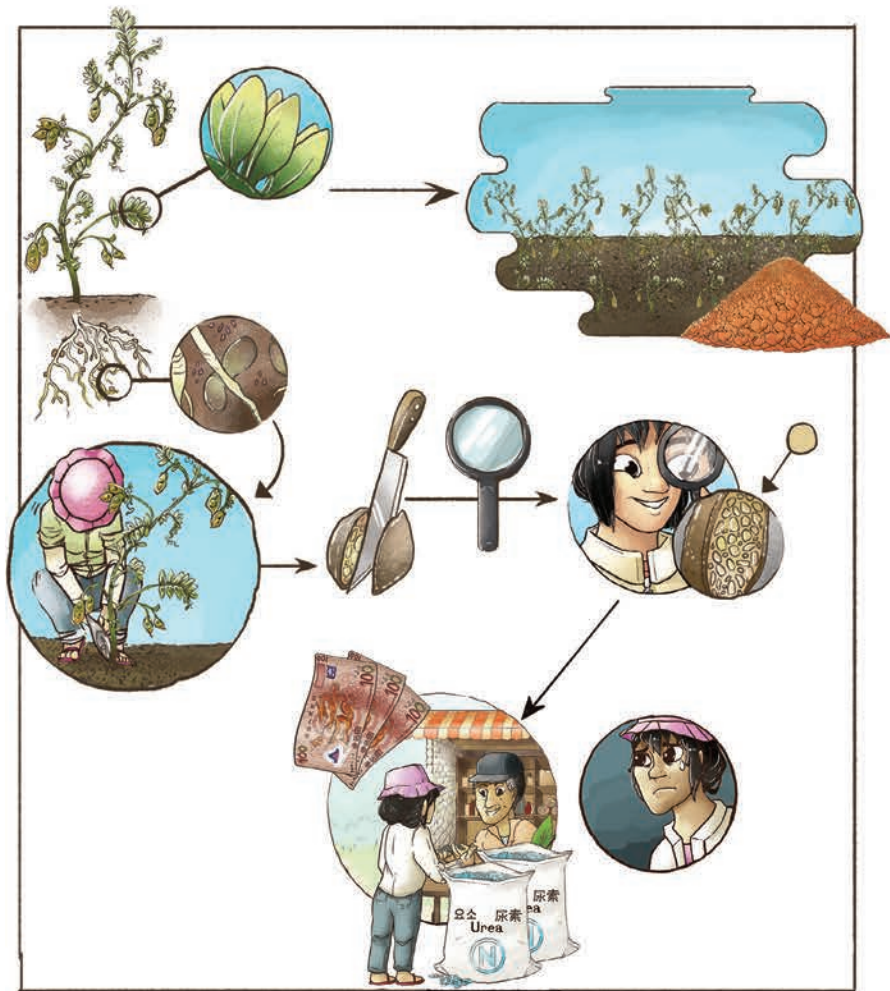


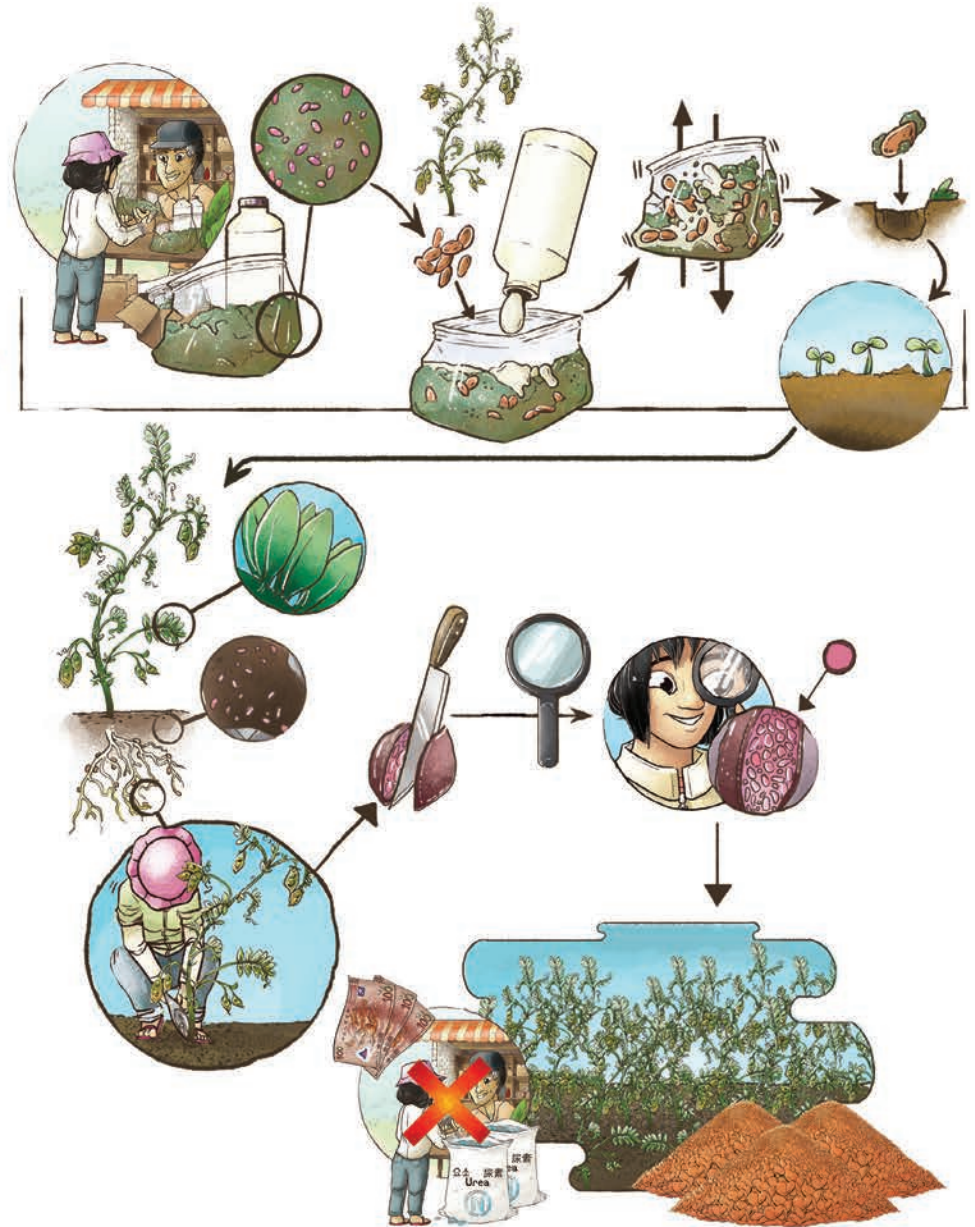
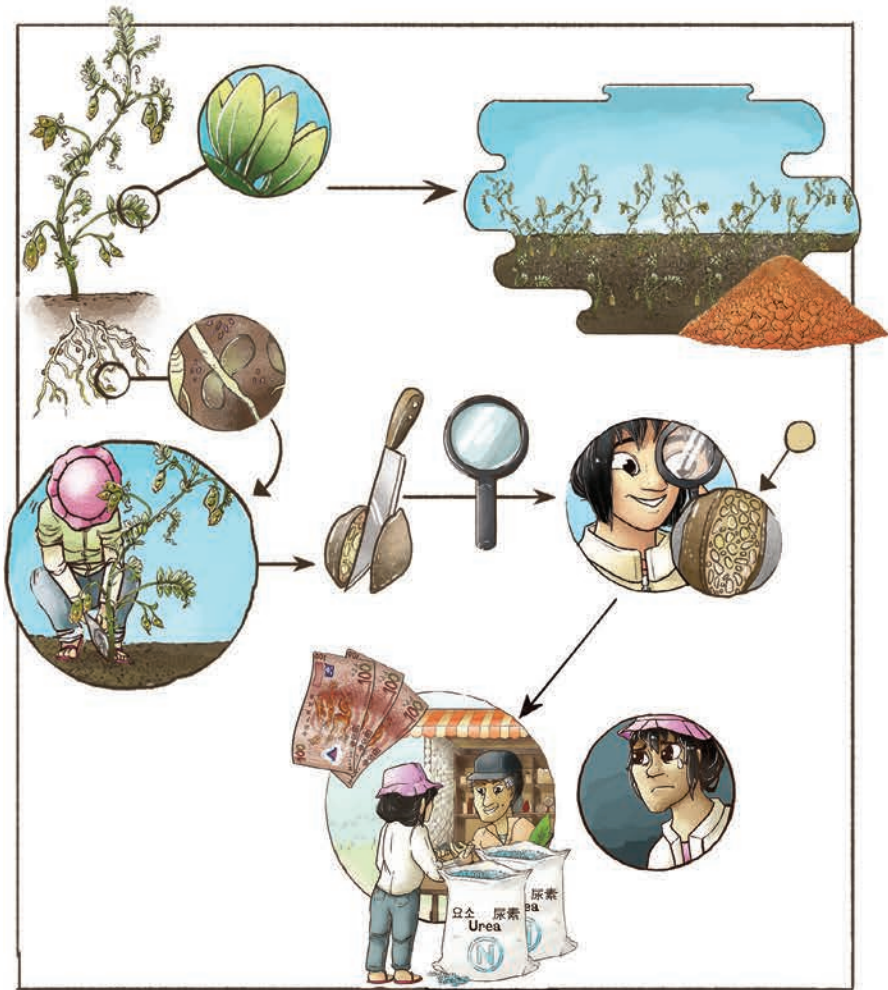


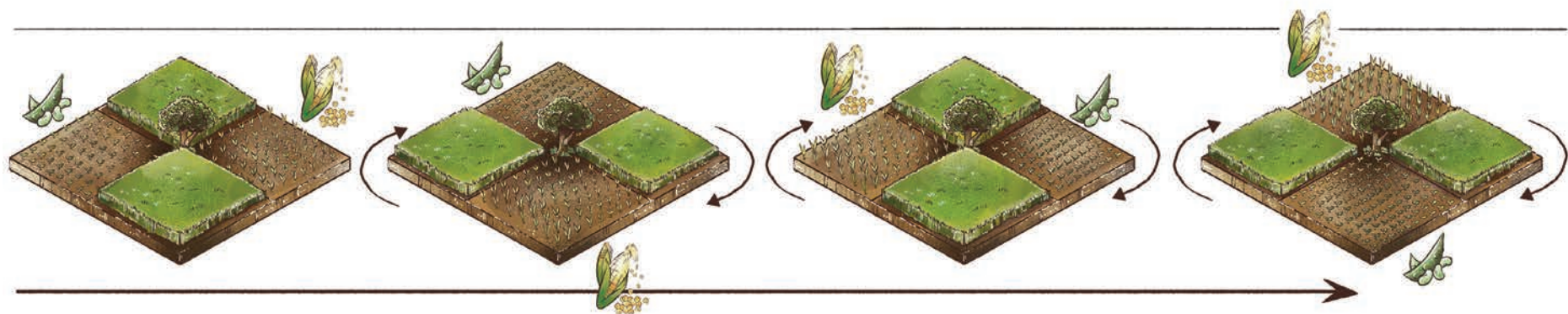
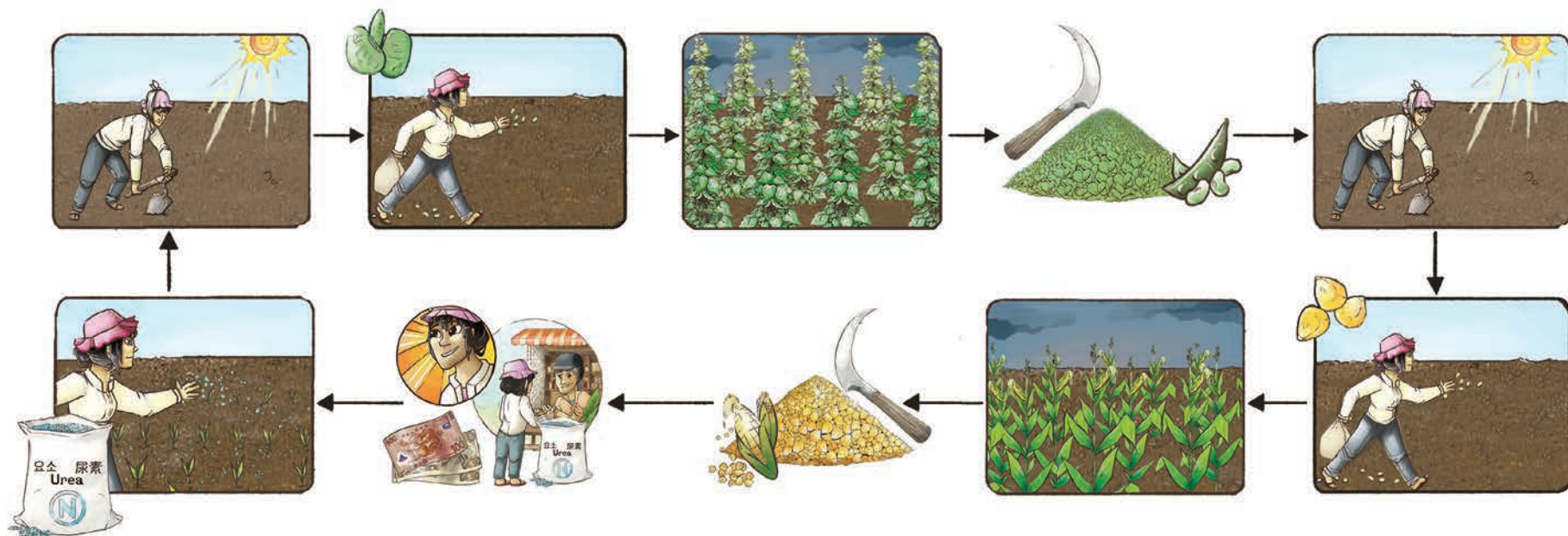
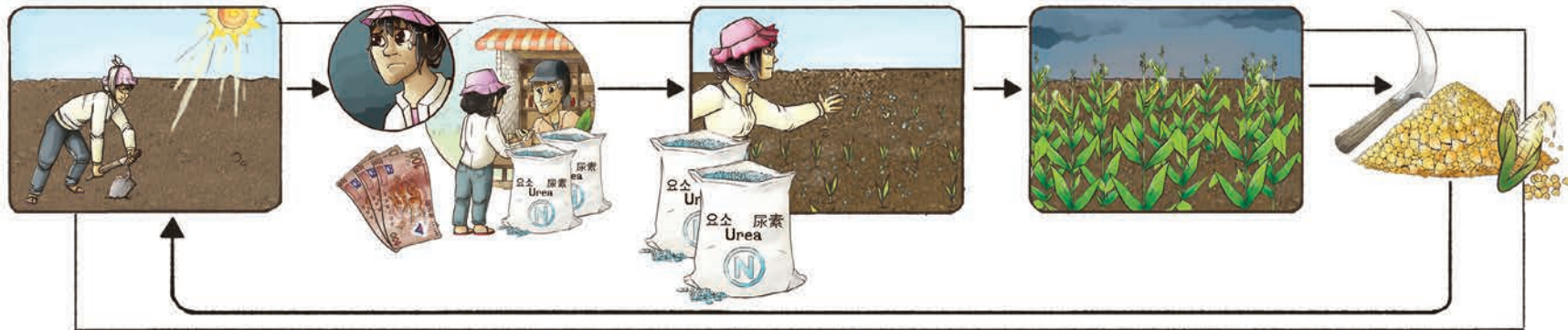


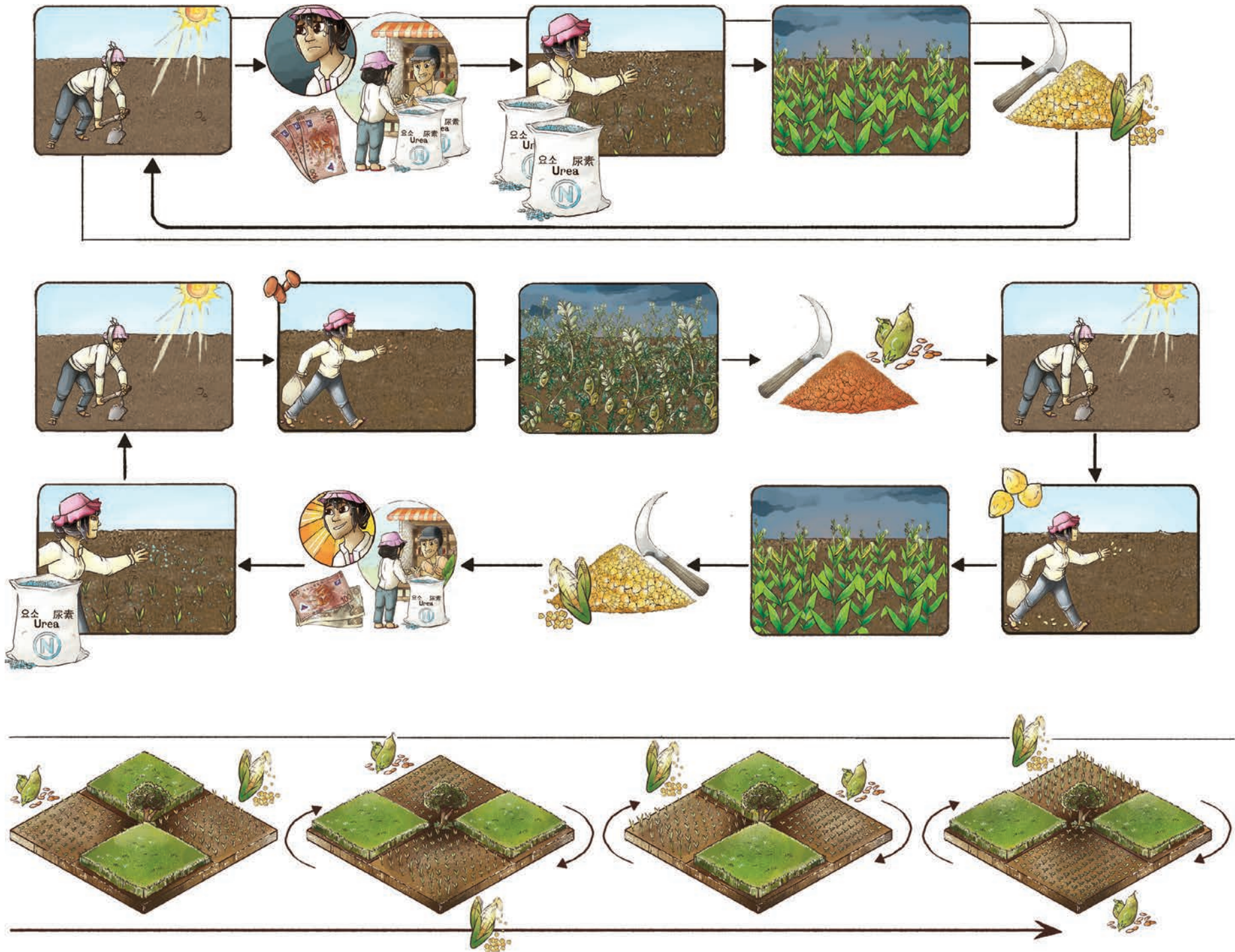


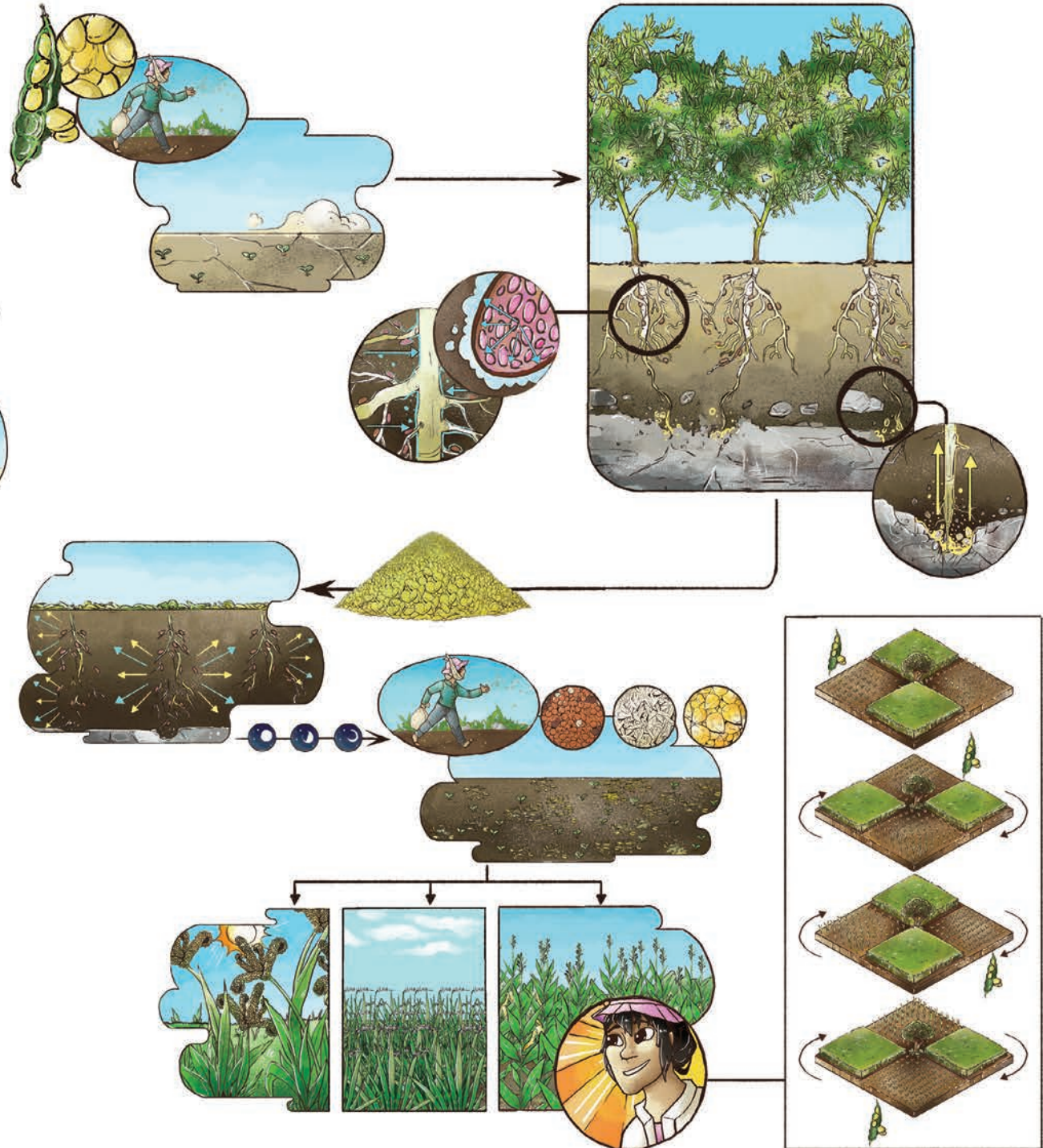
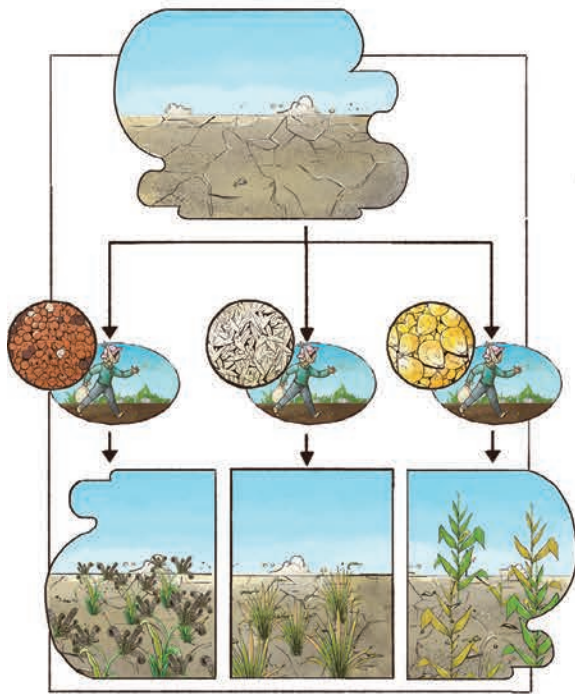


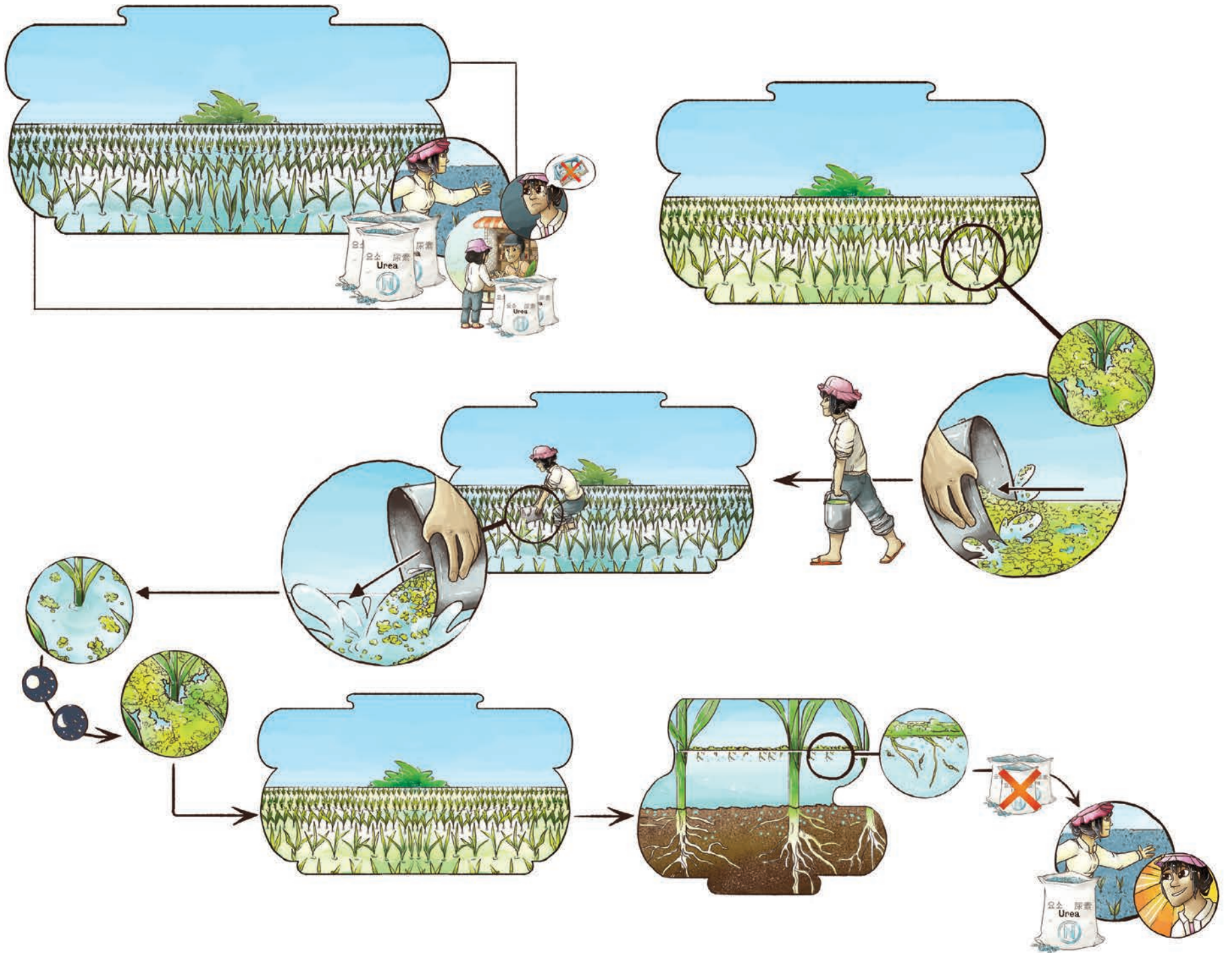




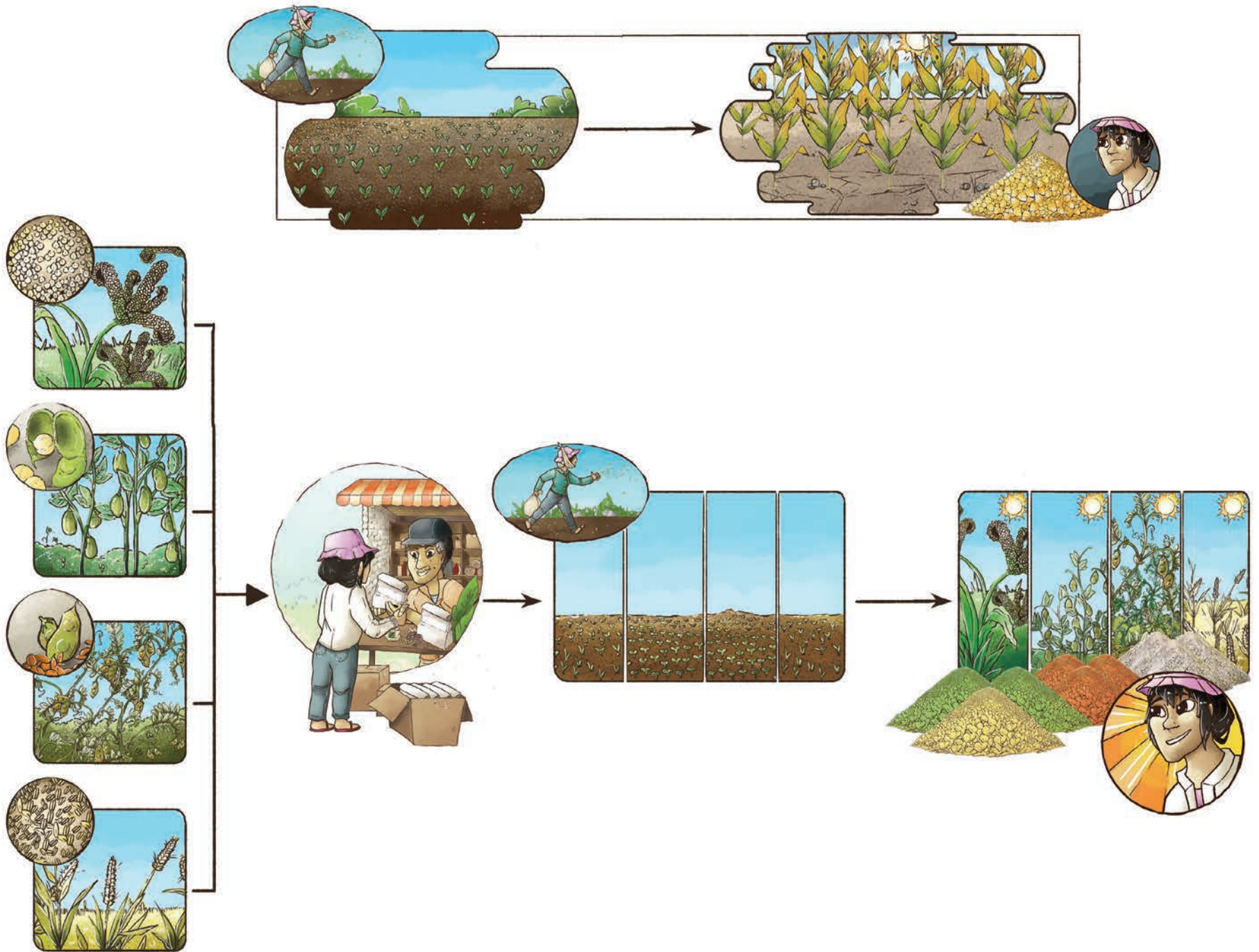


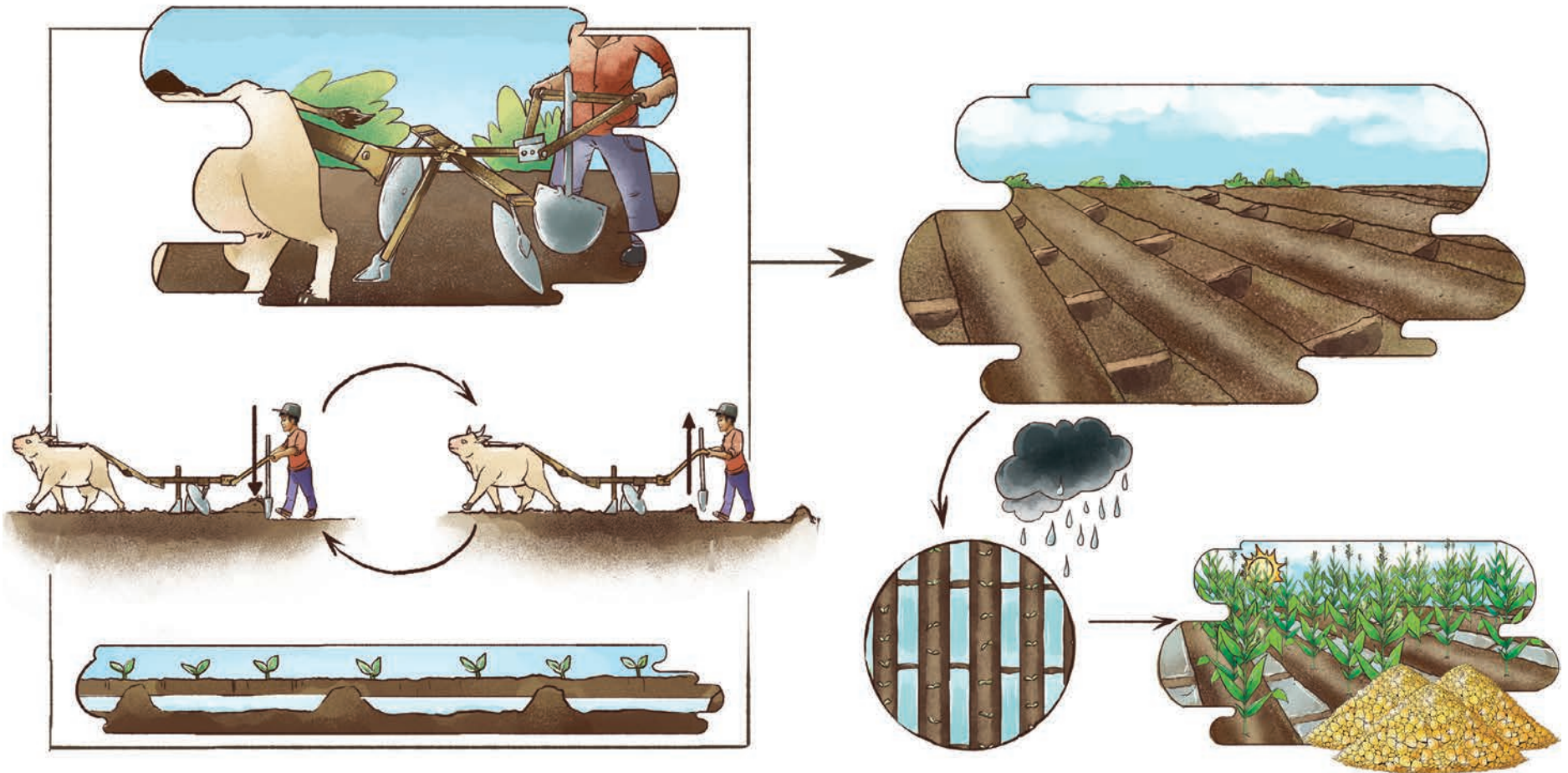
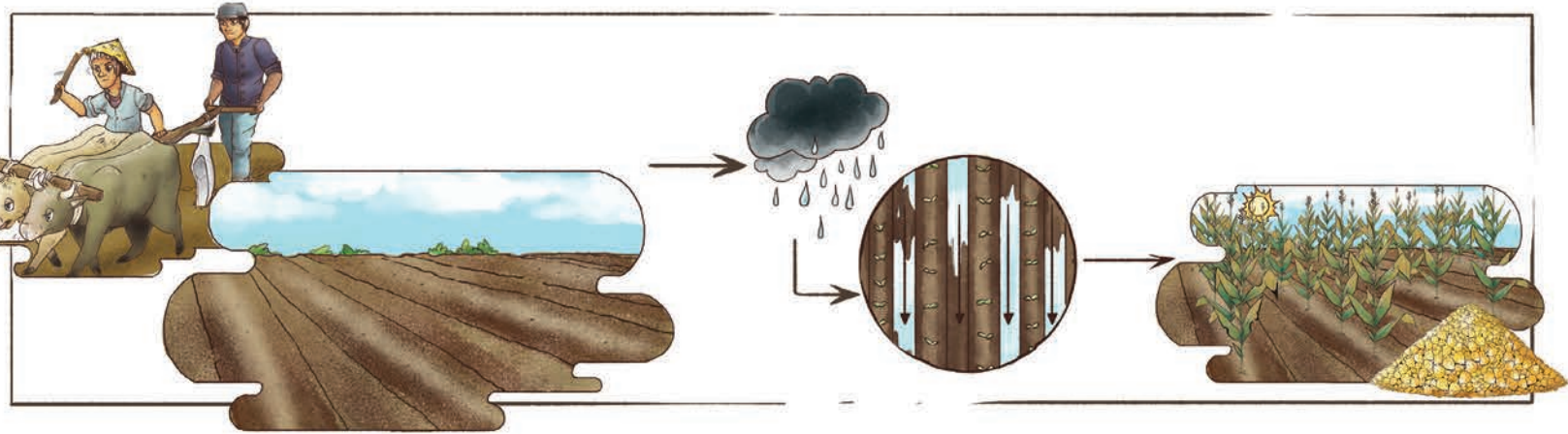


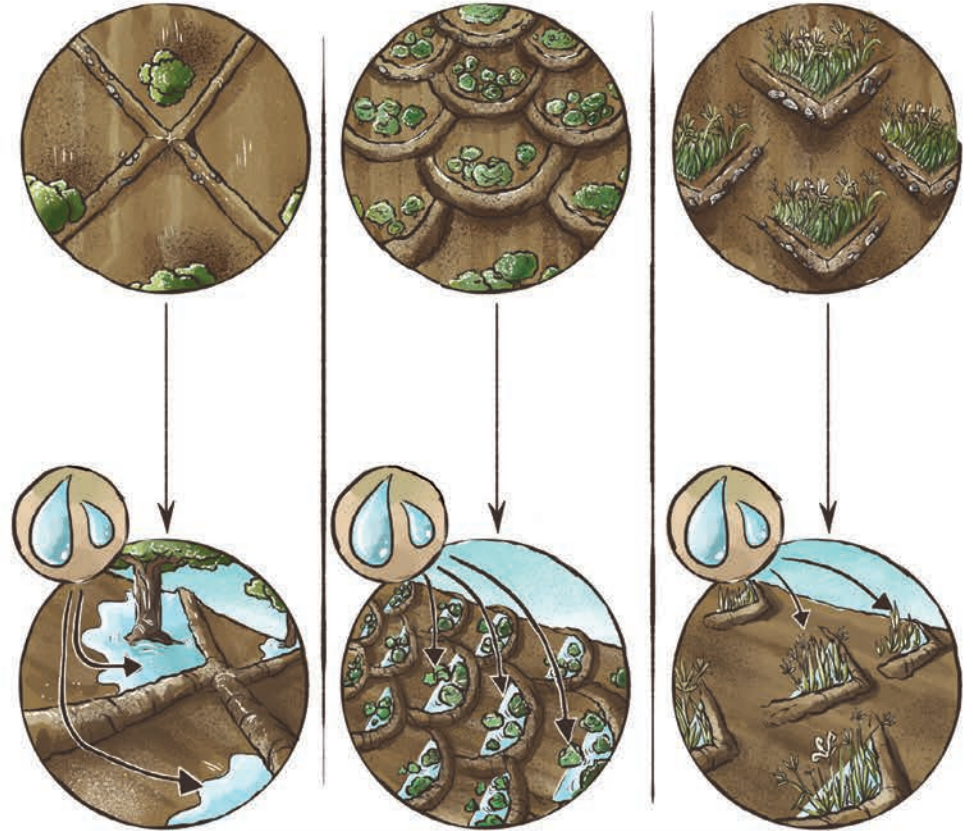
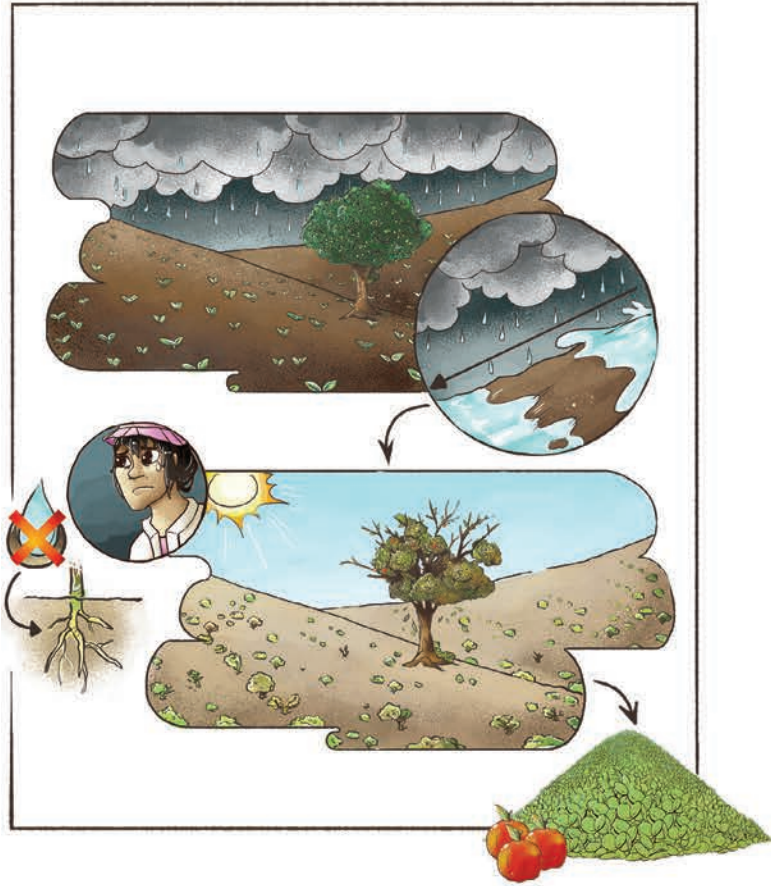


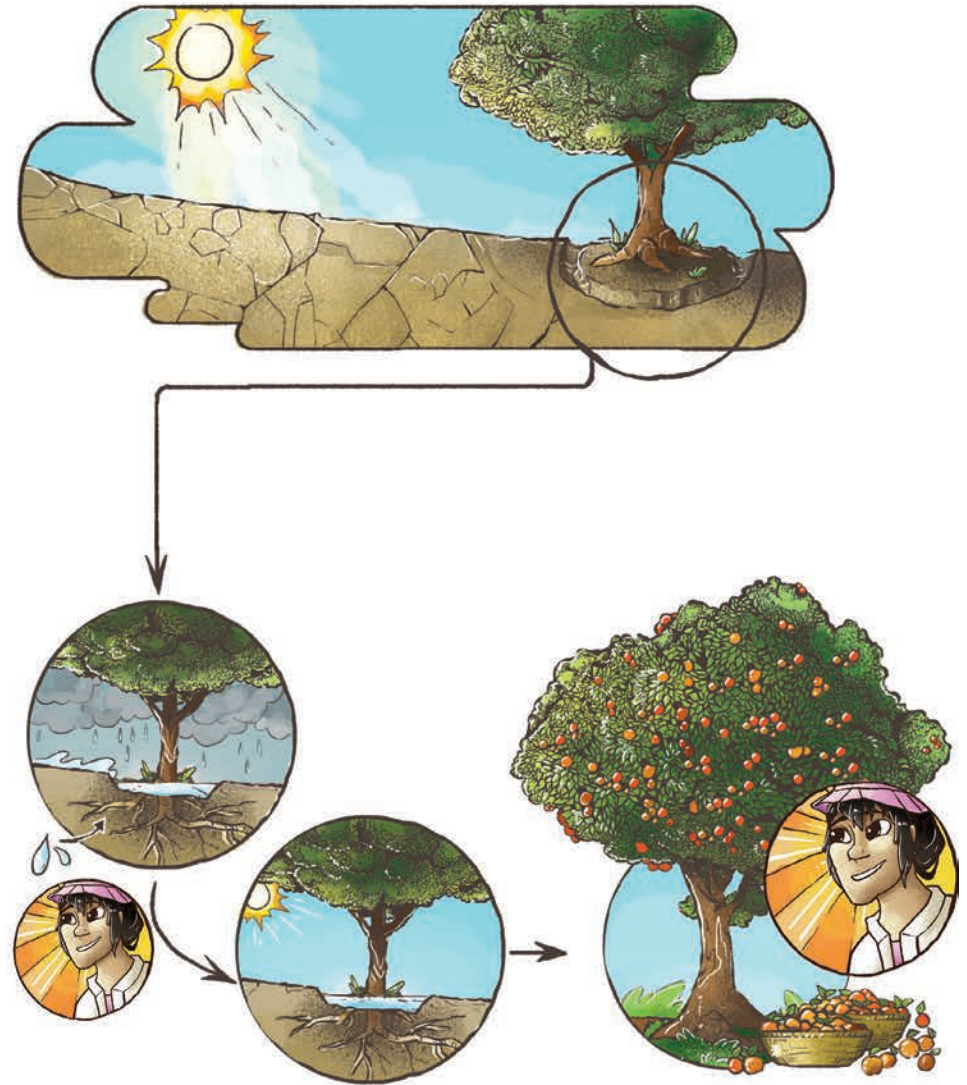
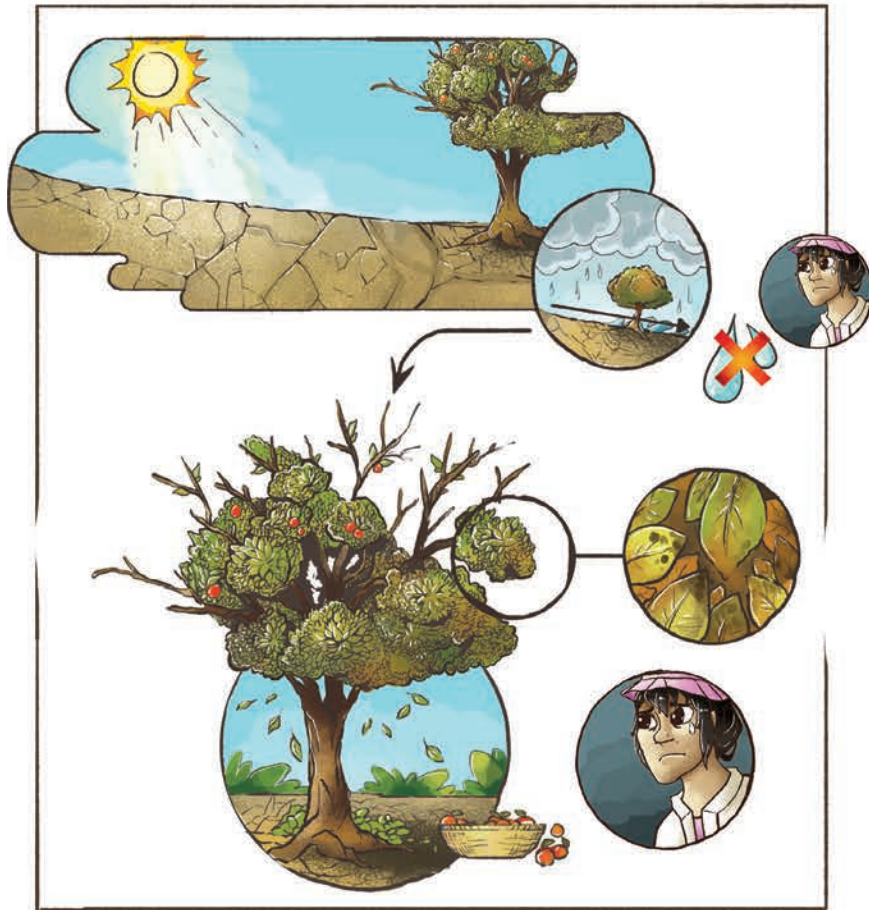


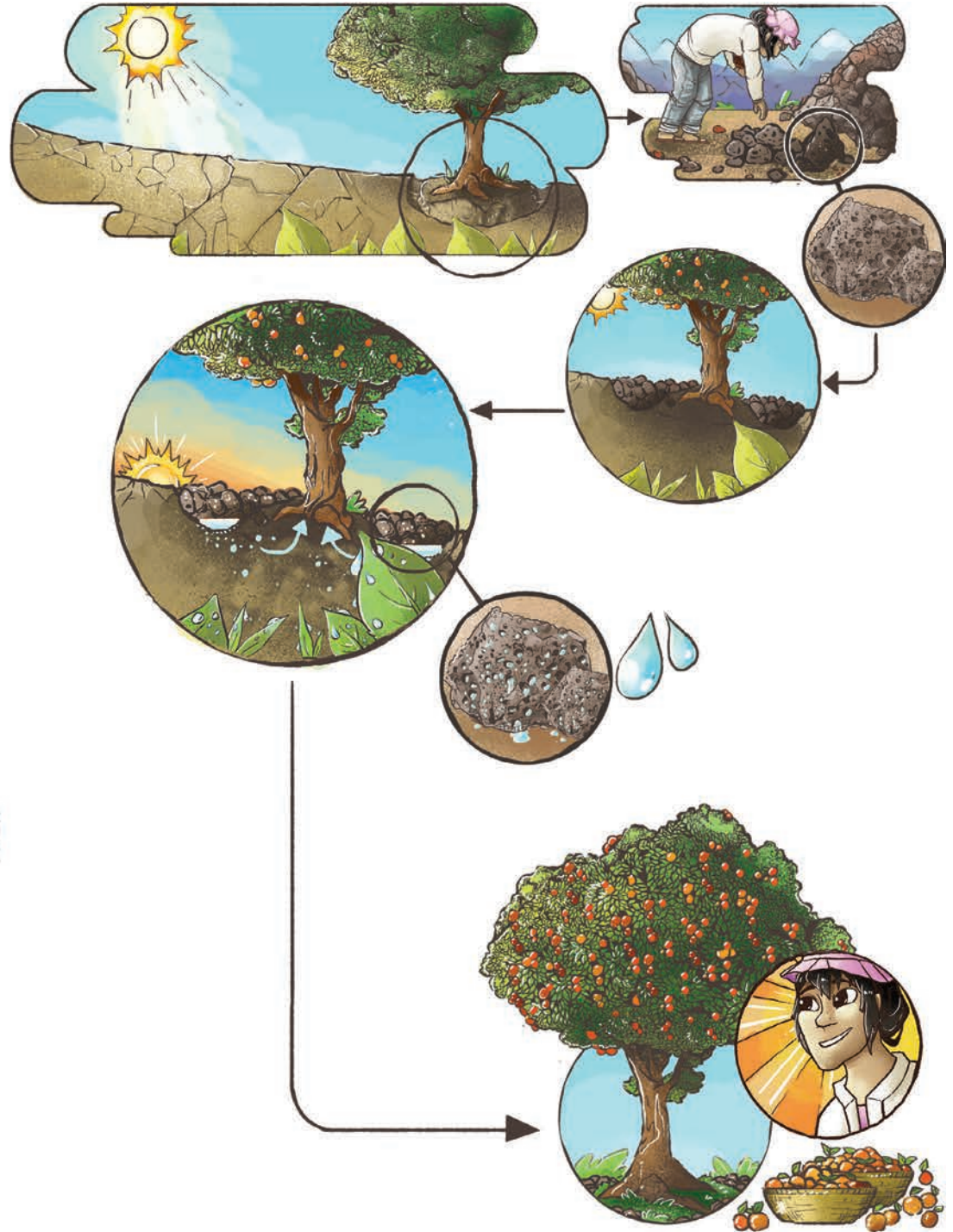
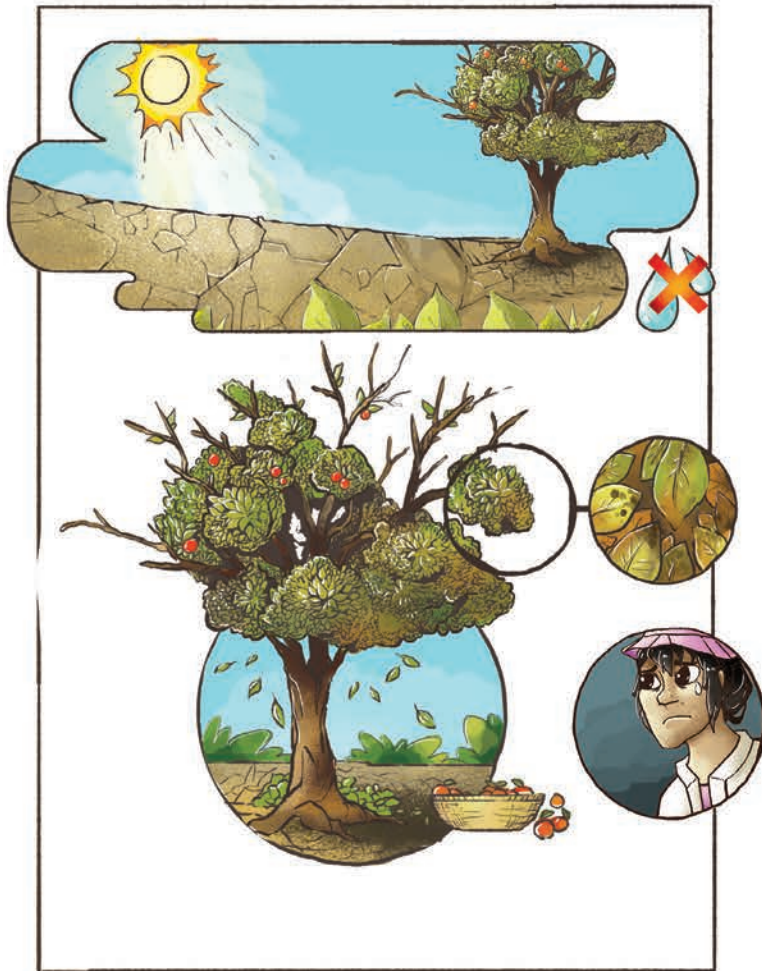
Chapter 6: Water

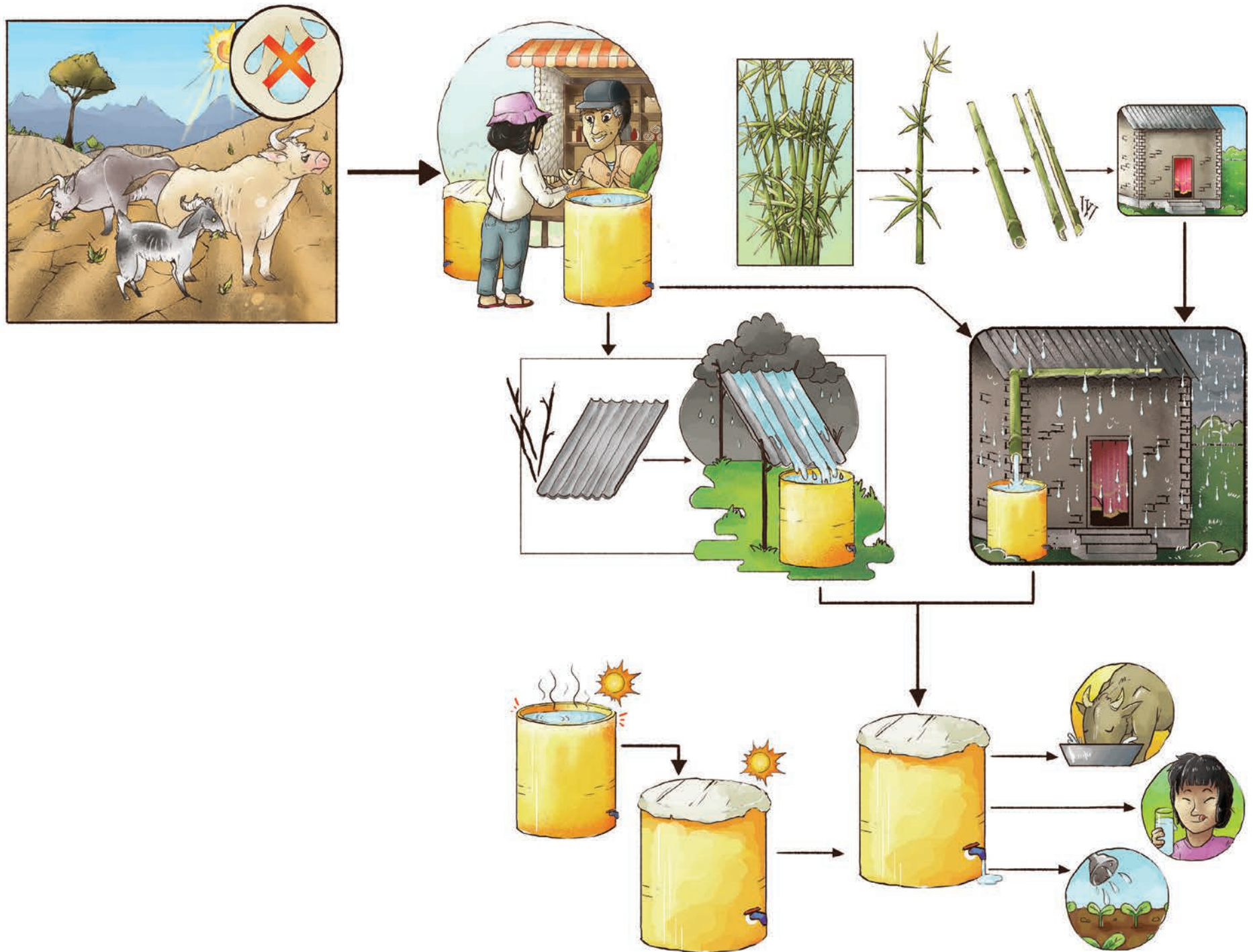


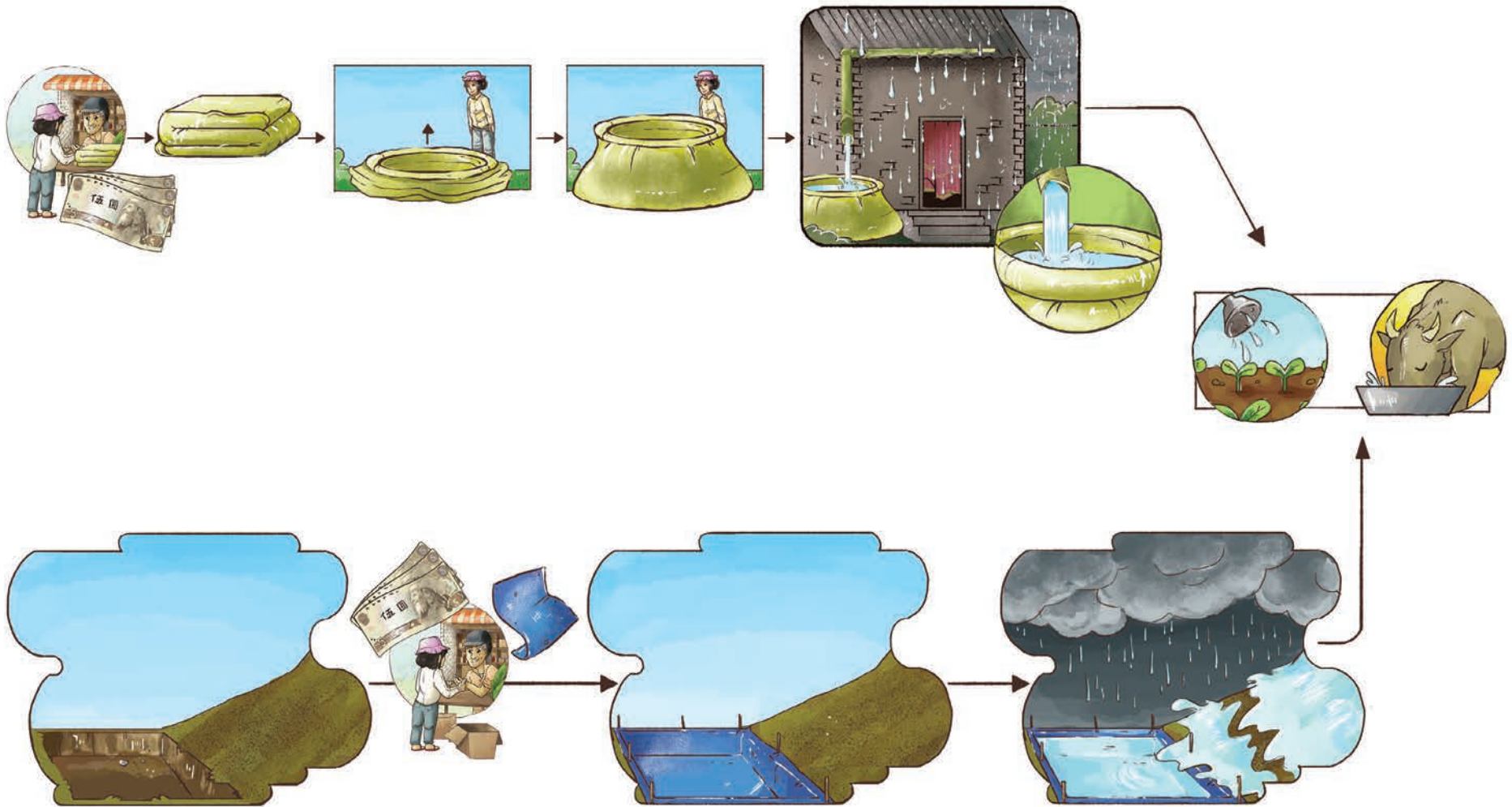
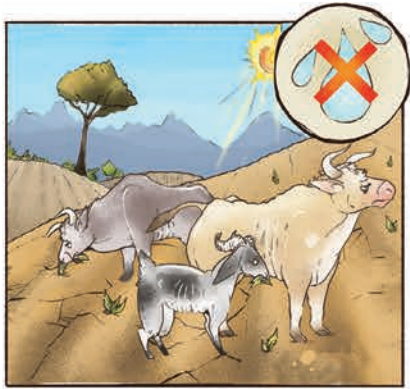


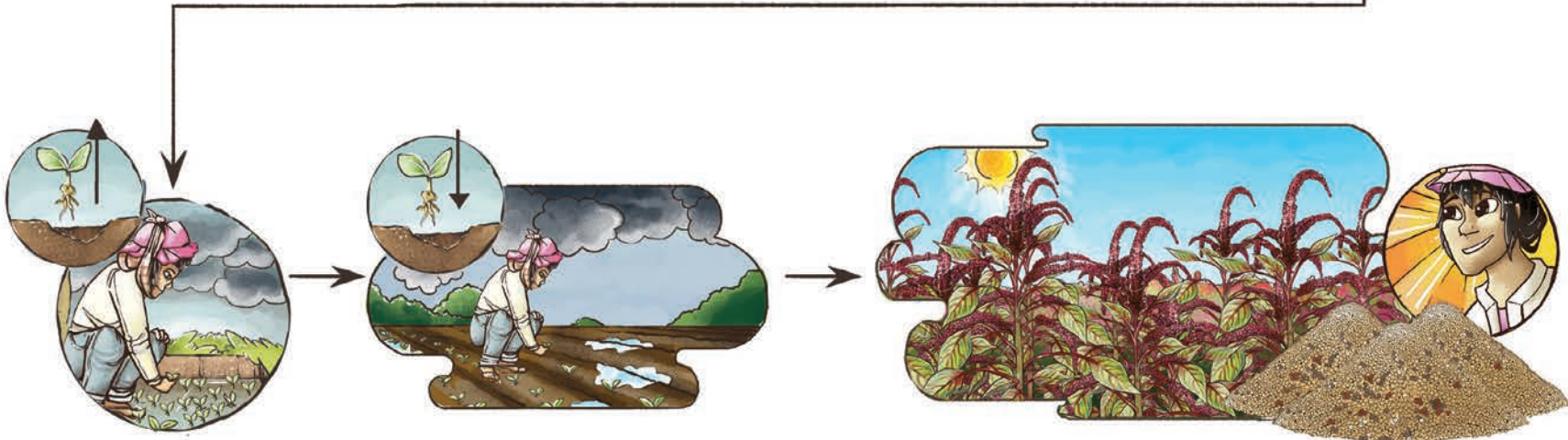
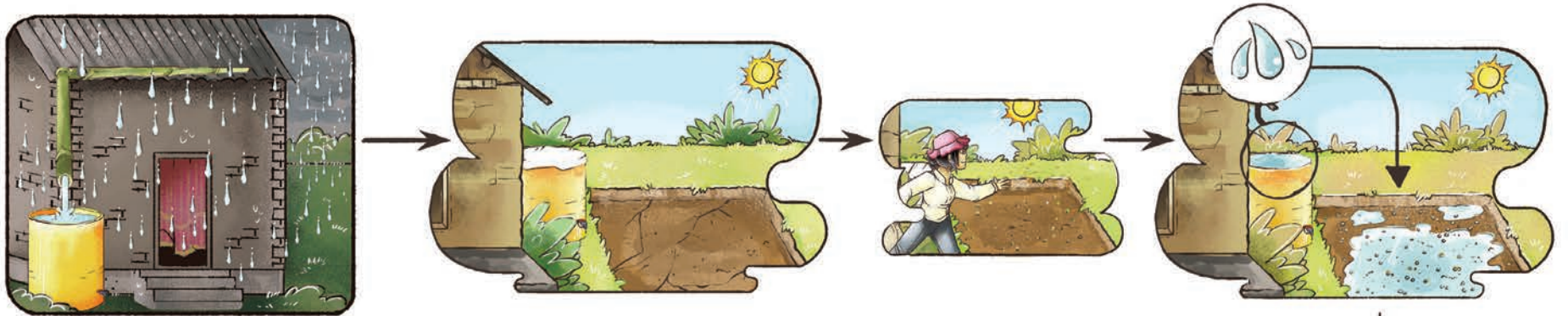
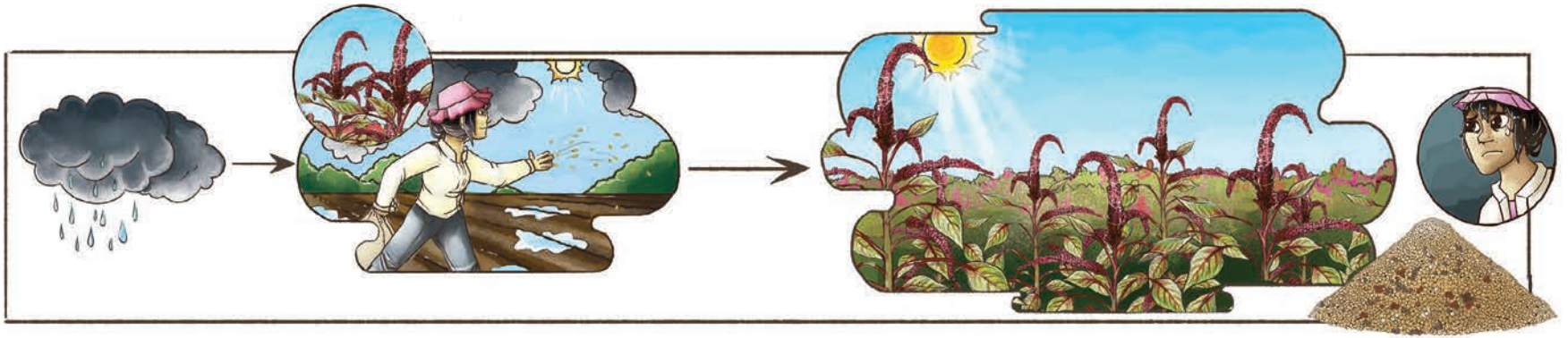


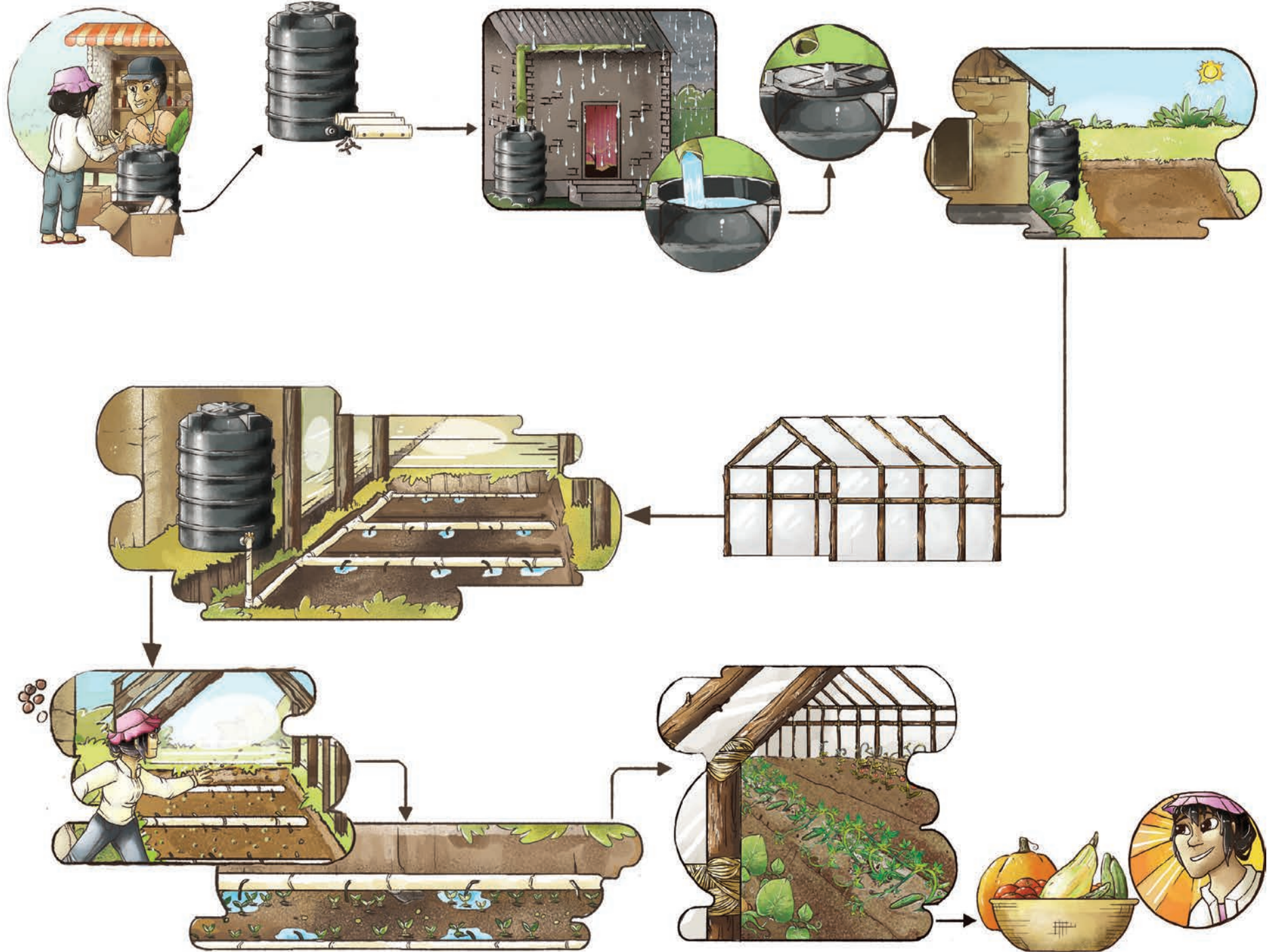


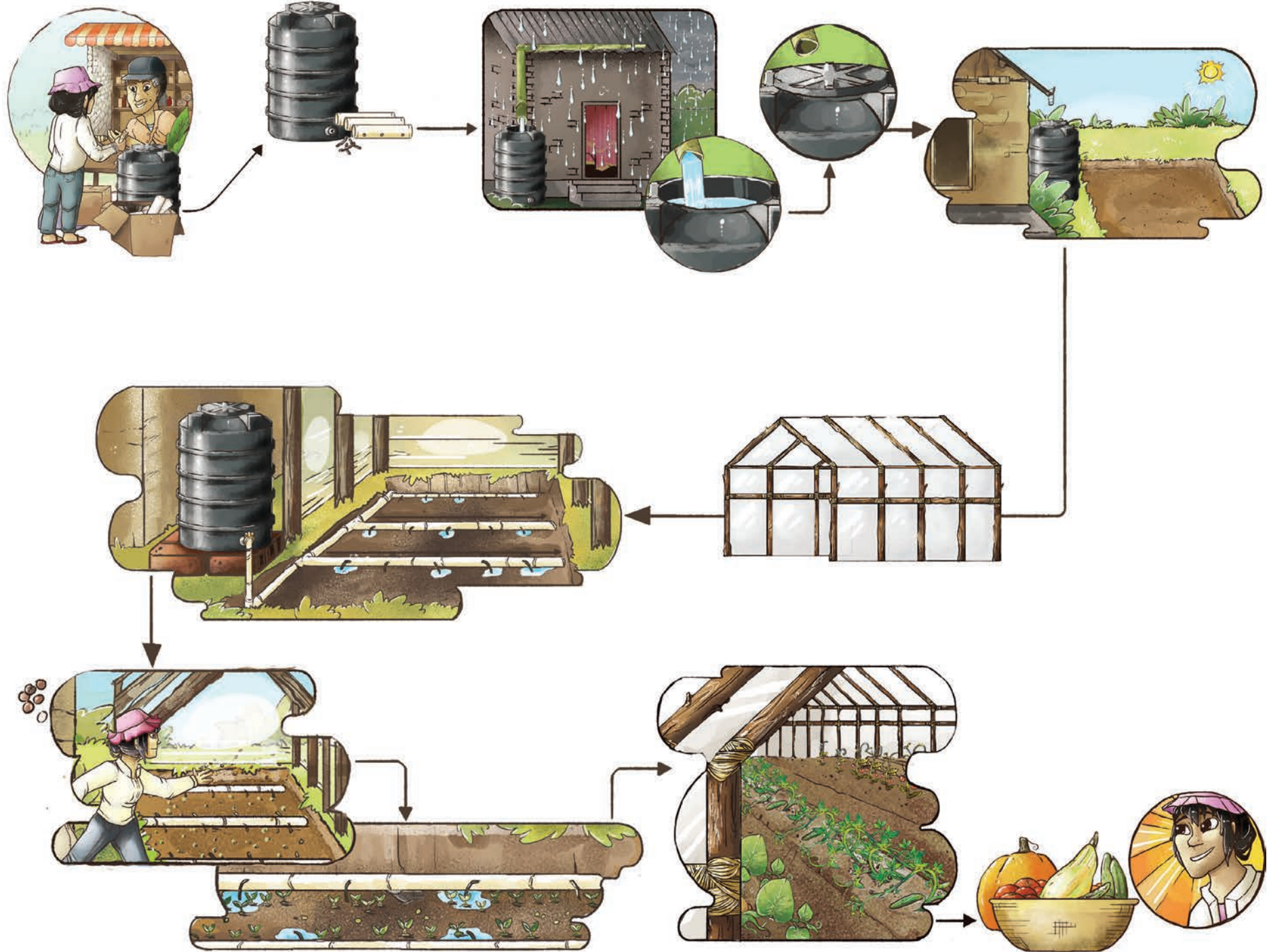


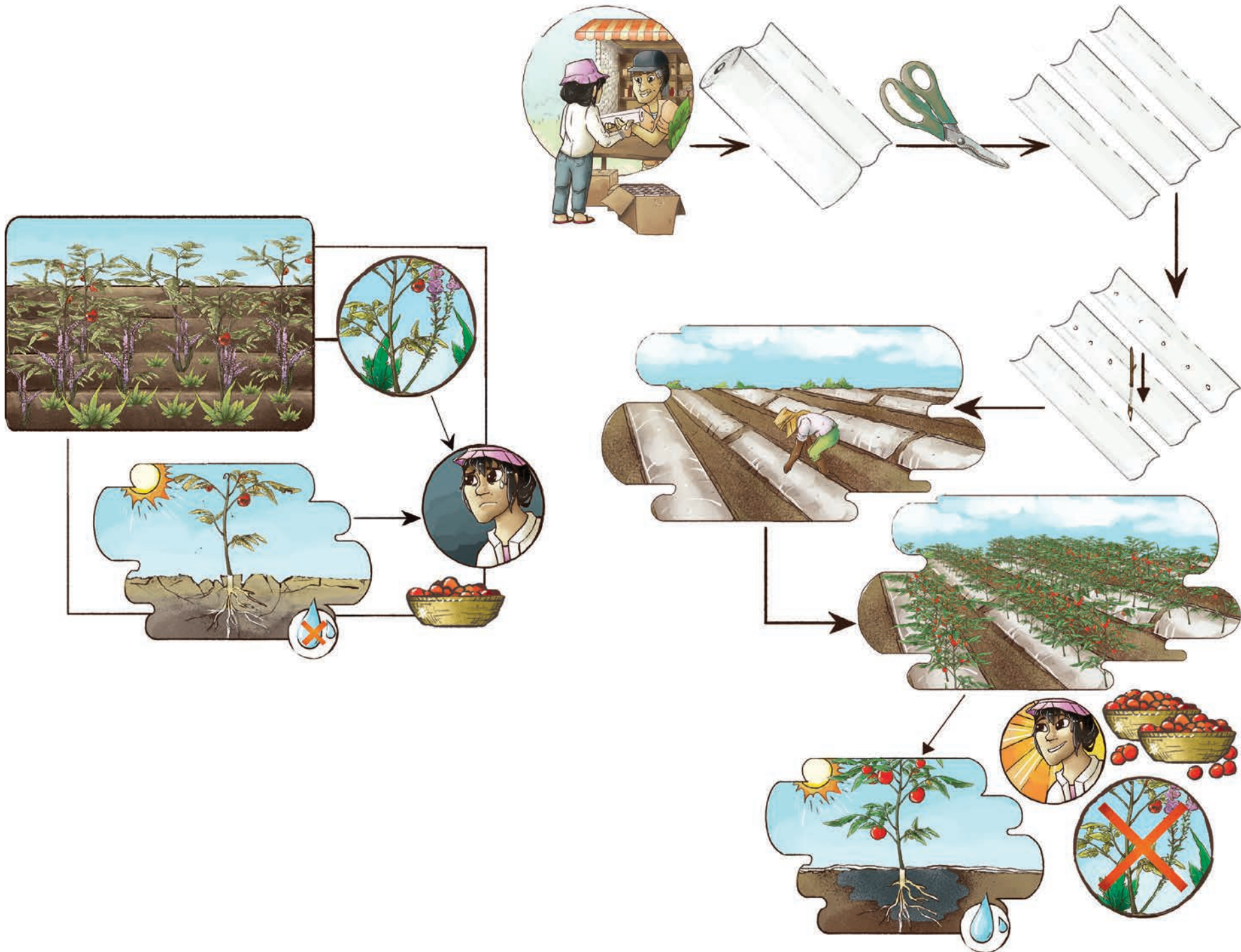


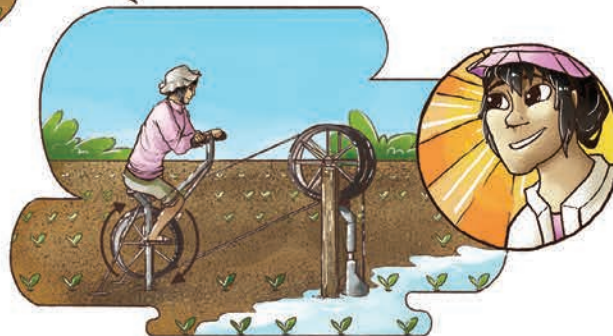
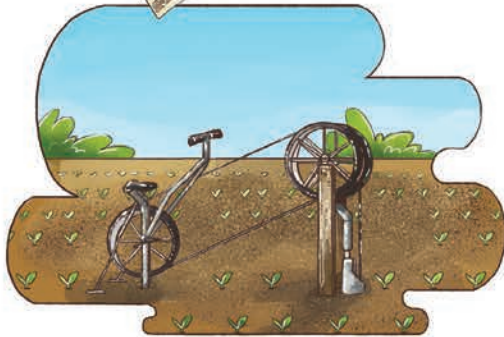
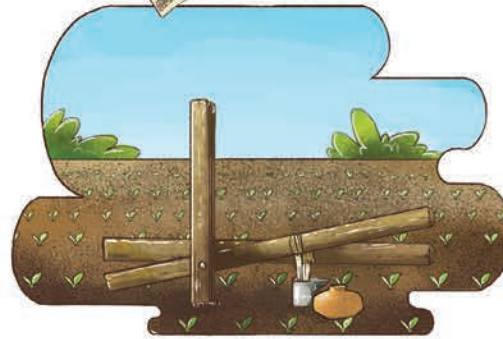






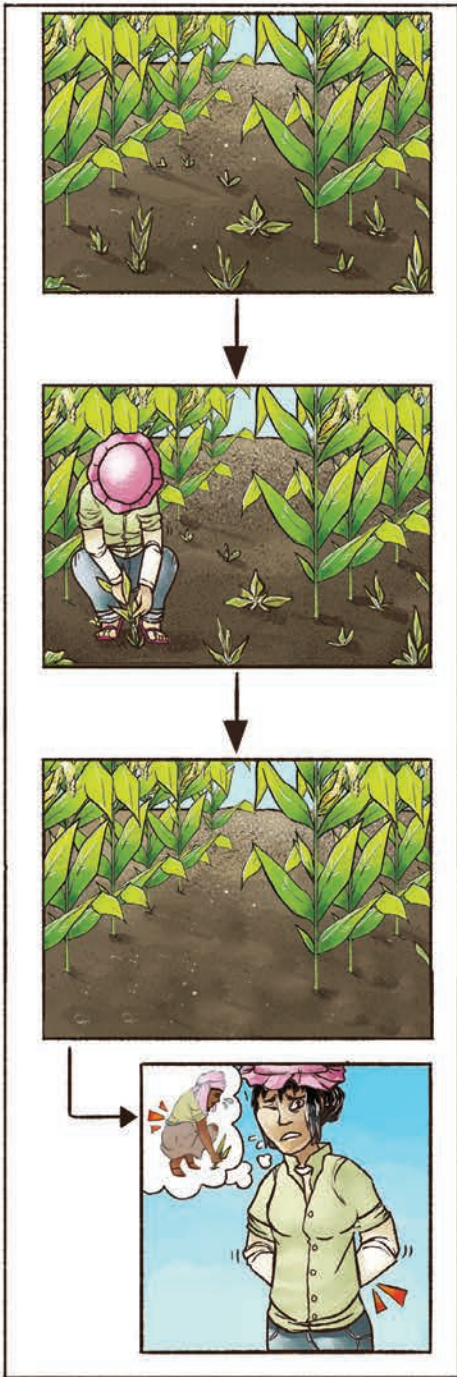


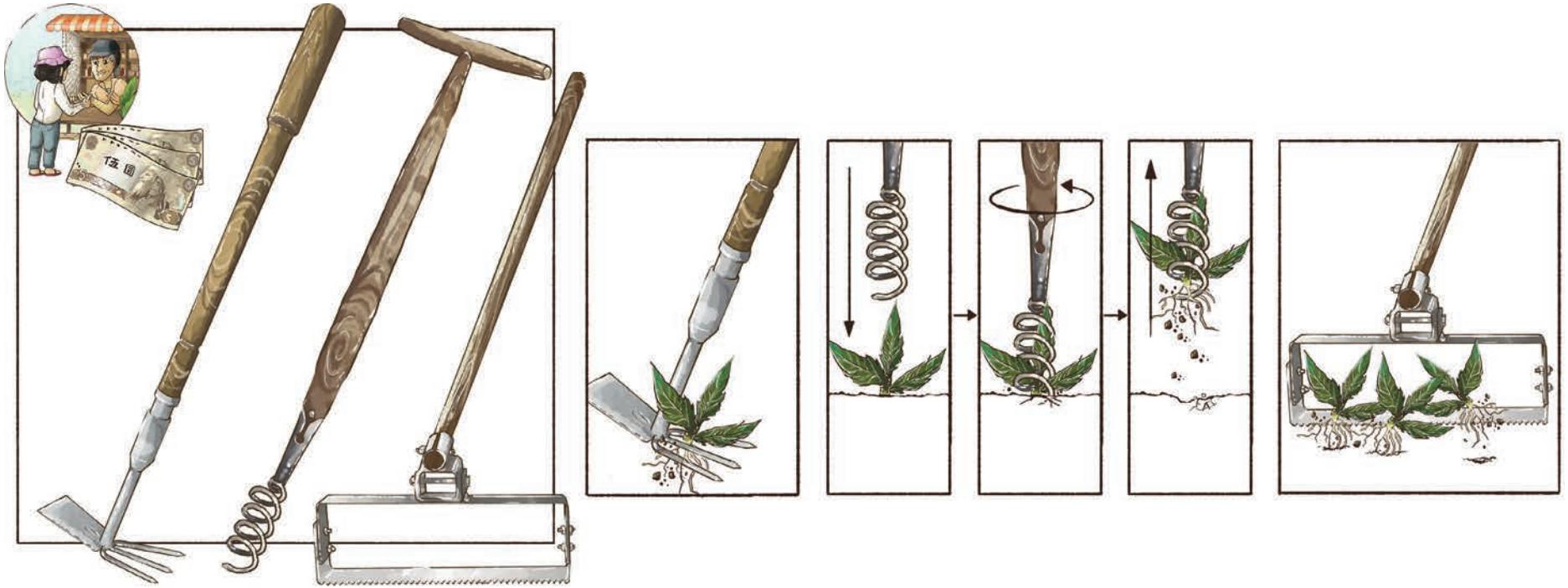


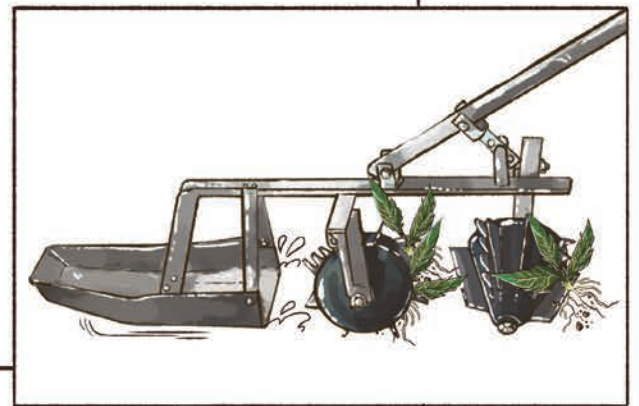
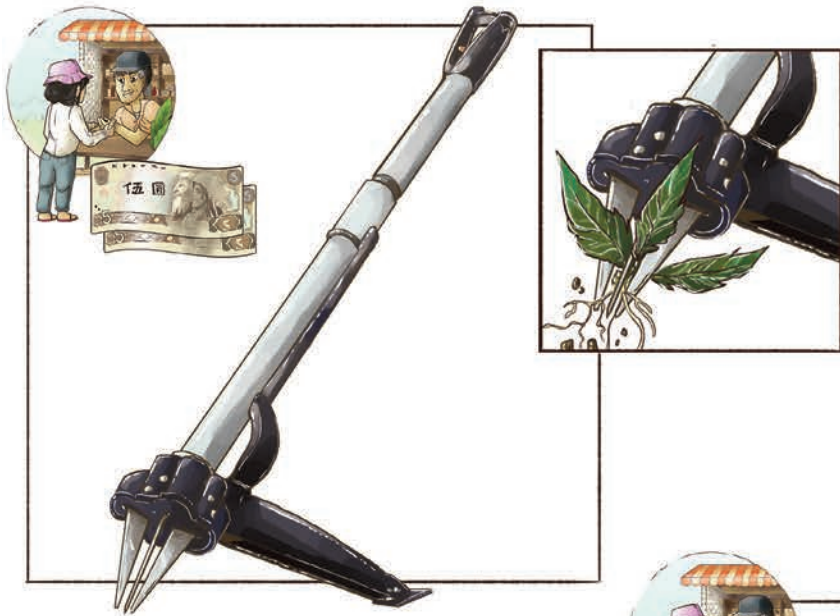


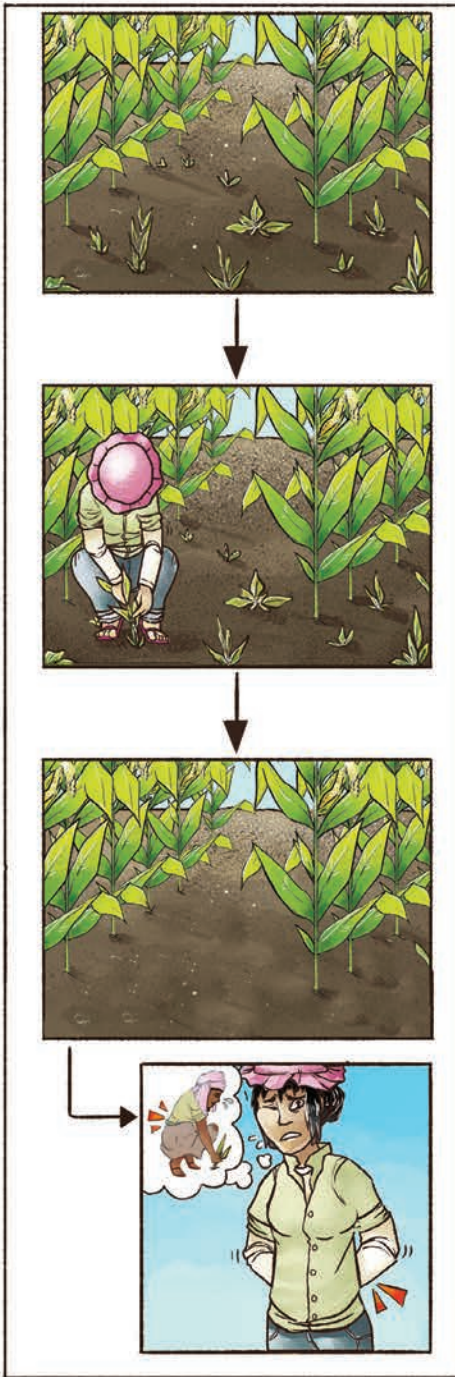
Chapter 7: Weeds

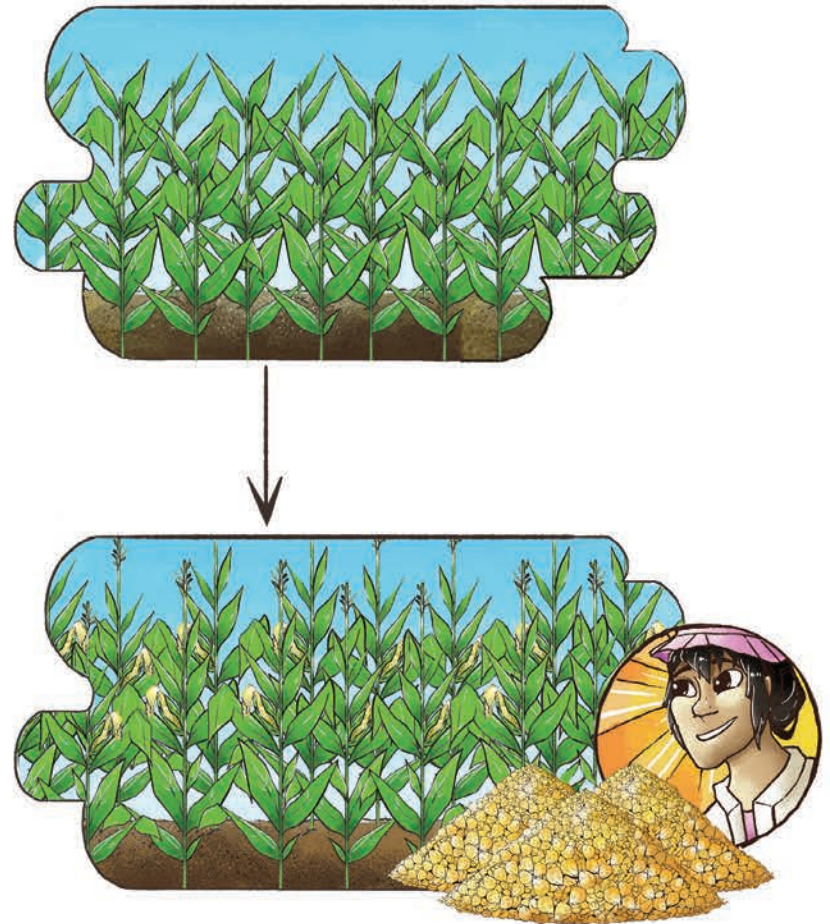
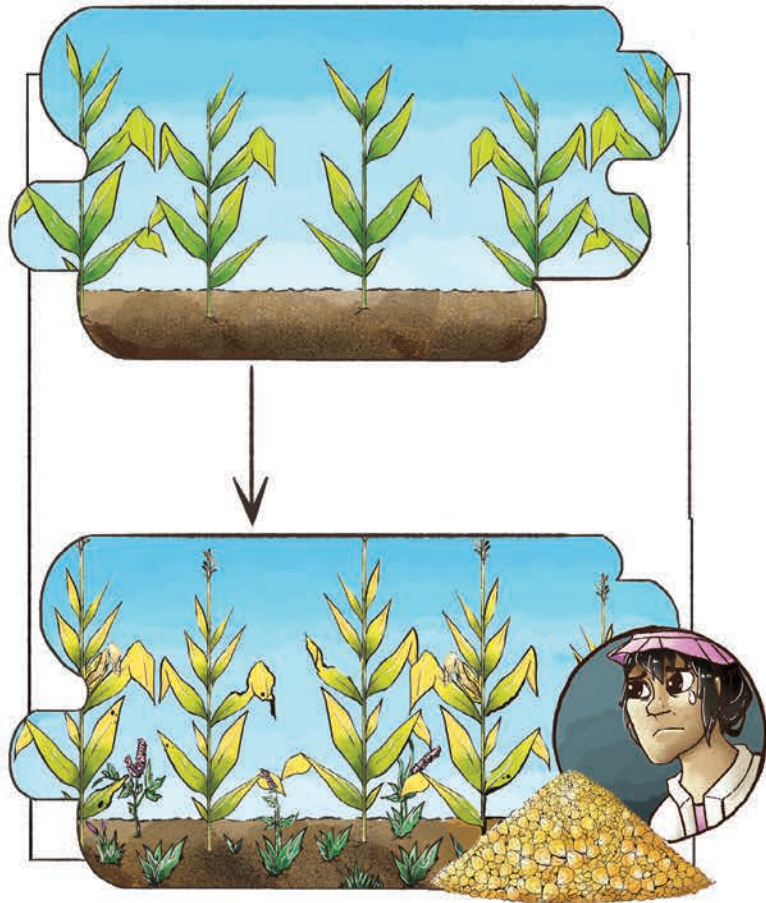


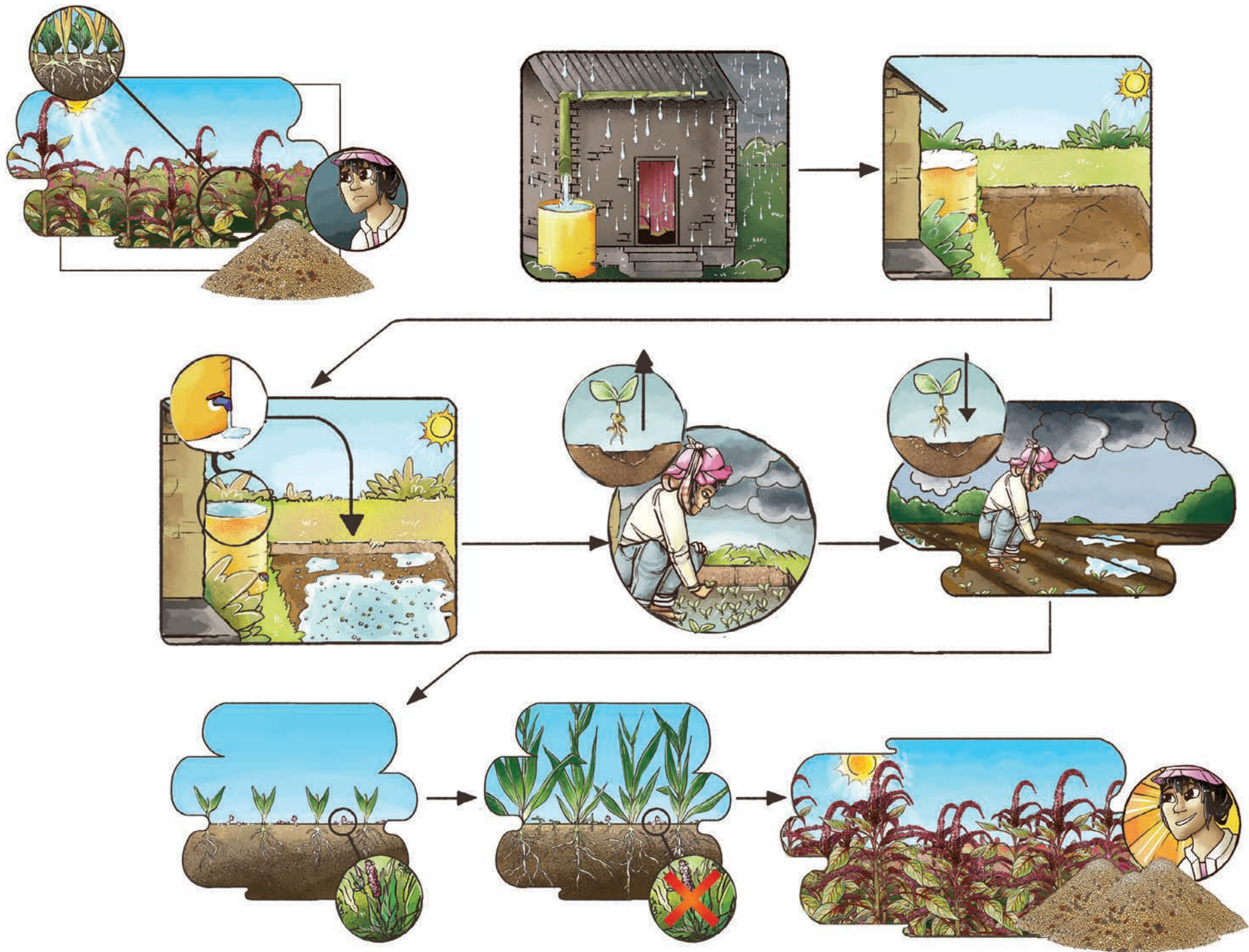


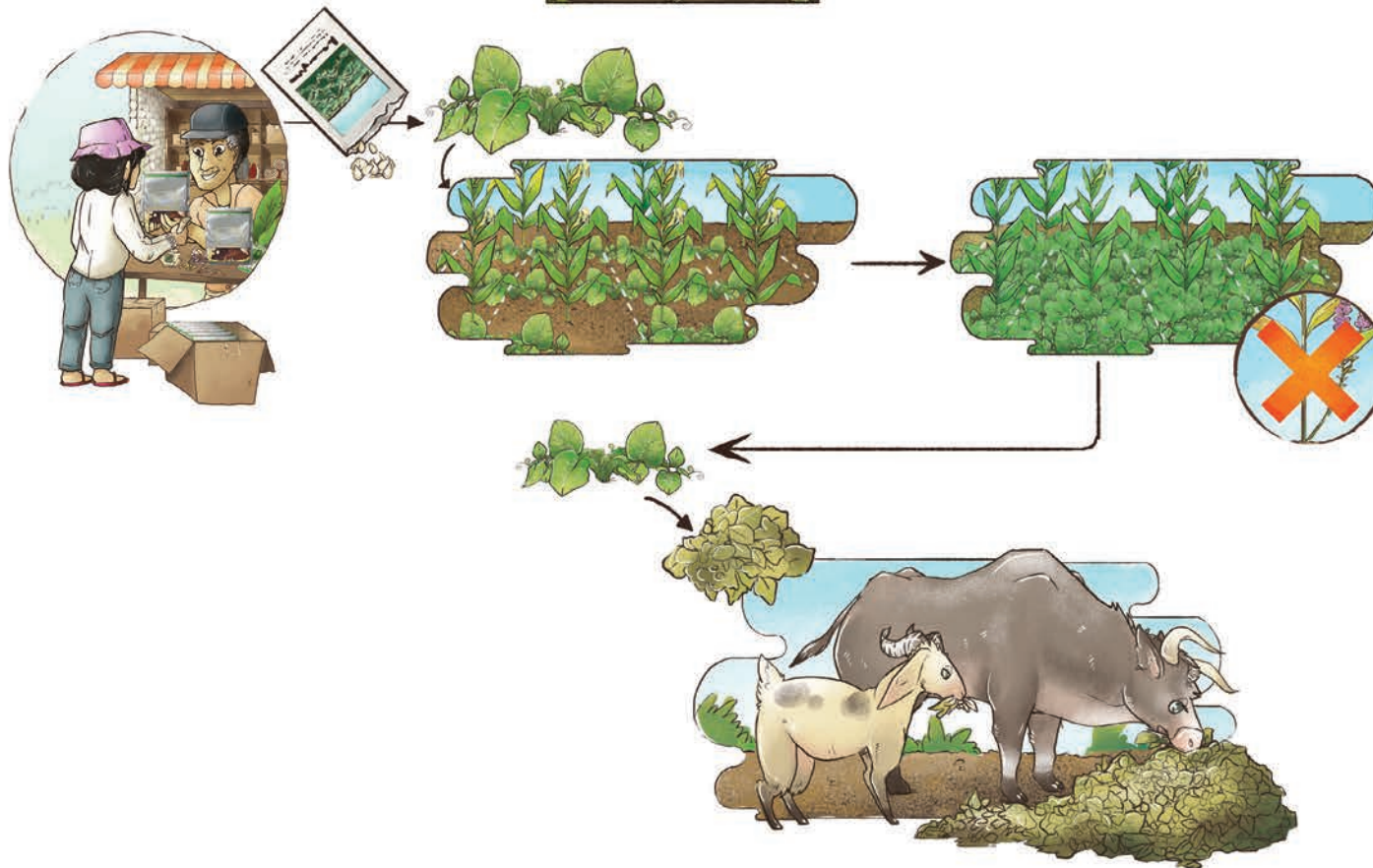
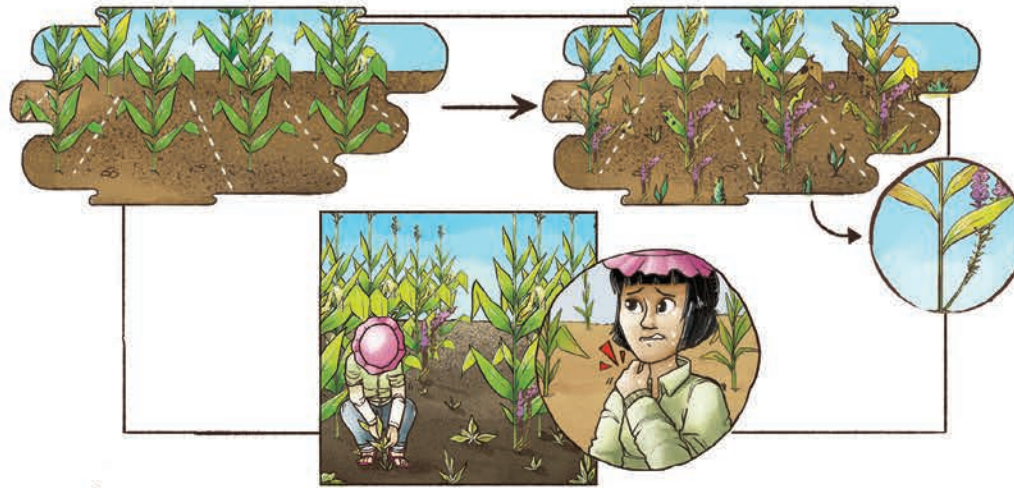


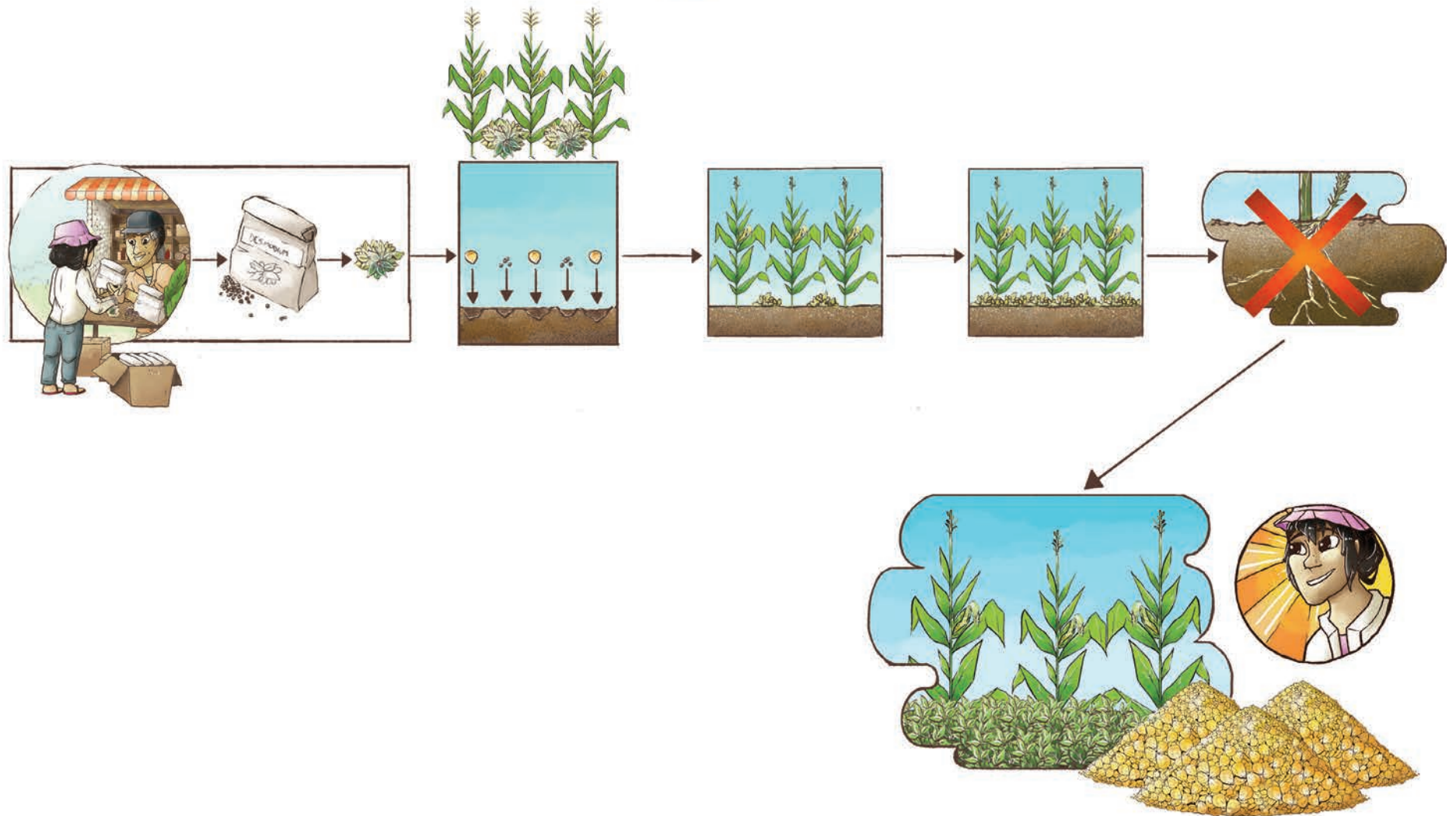


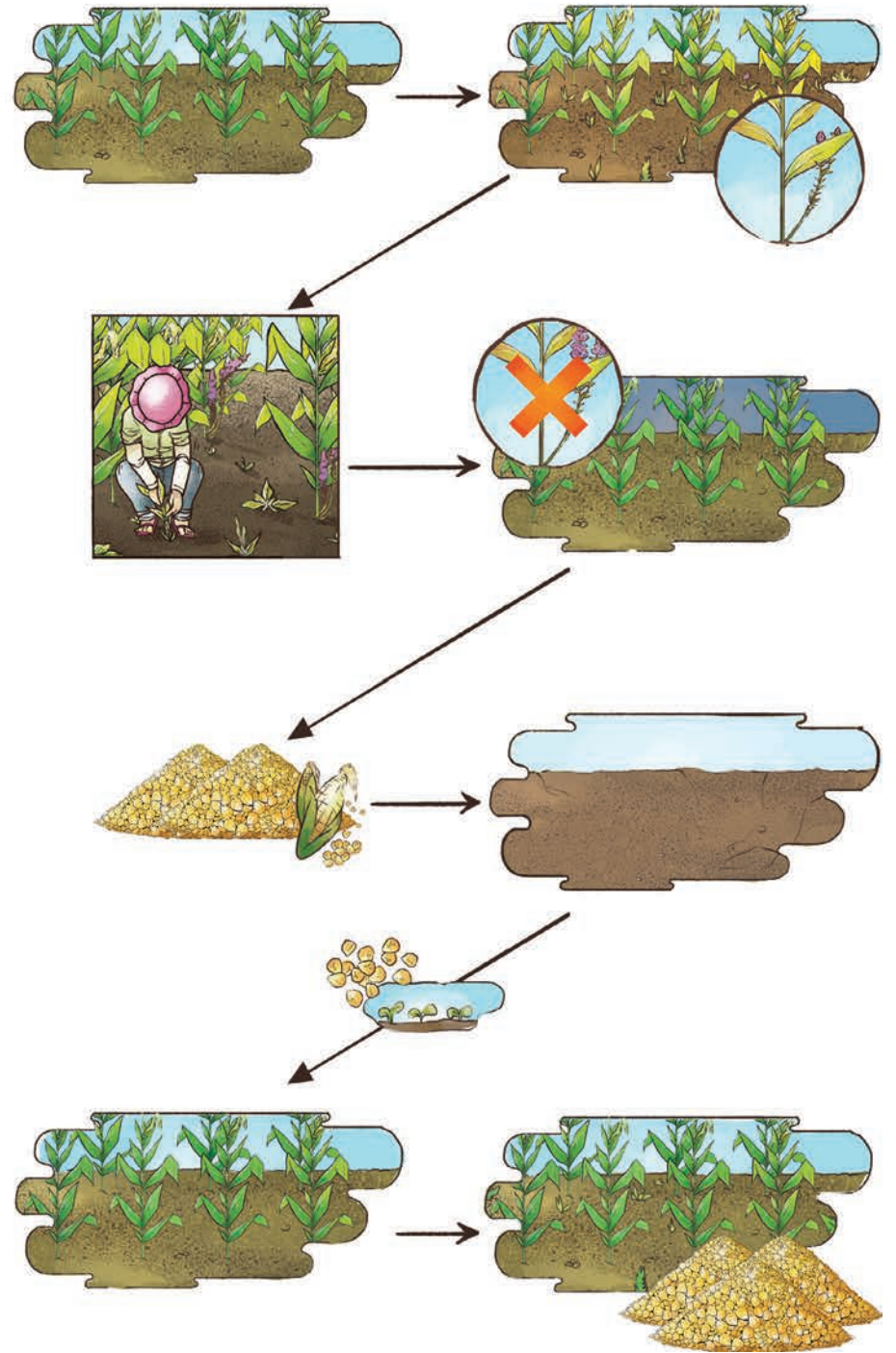
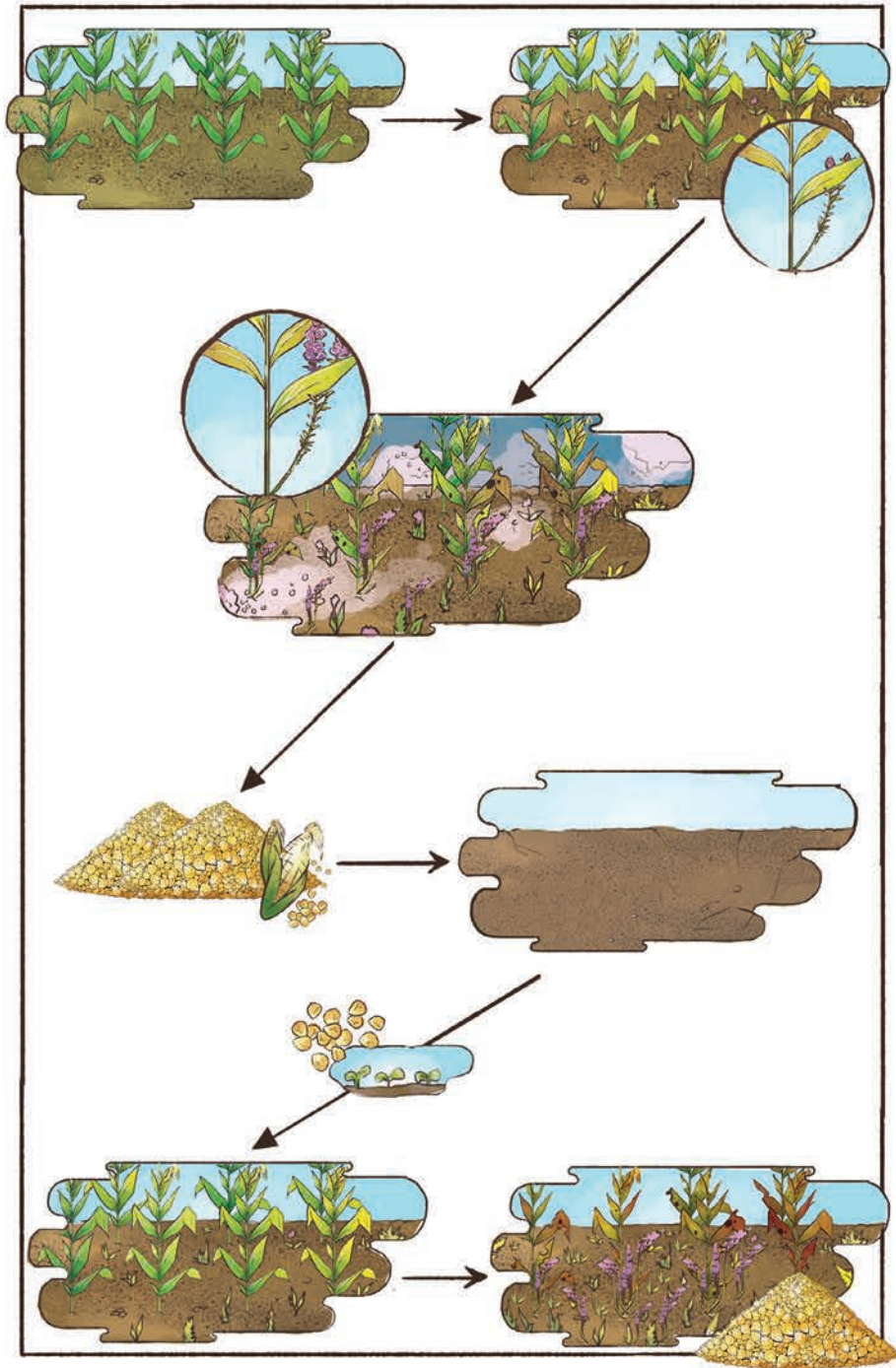




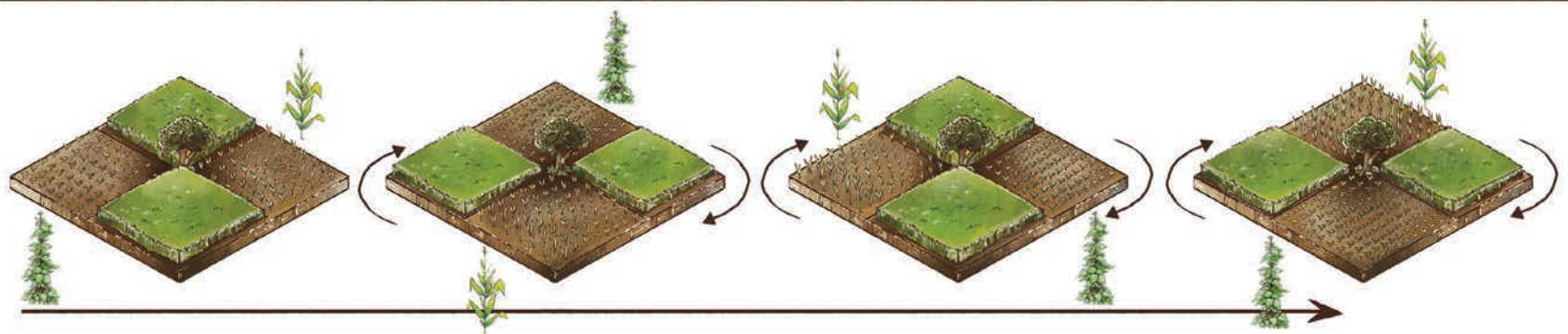
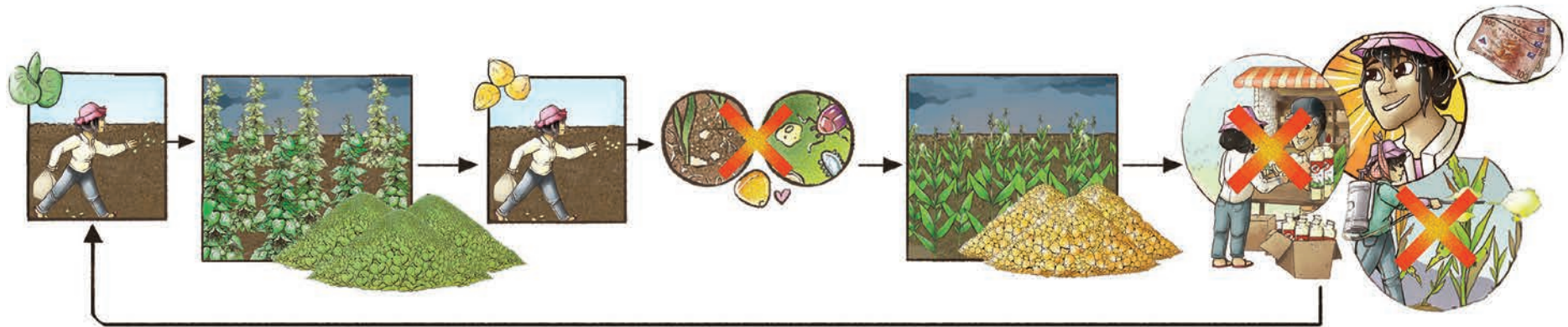
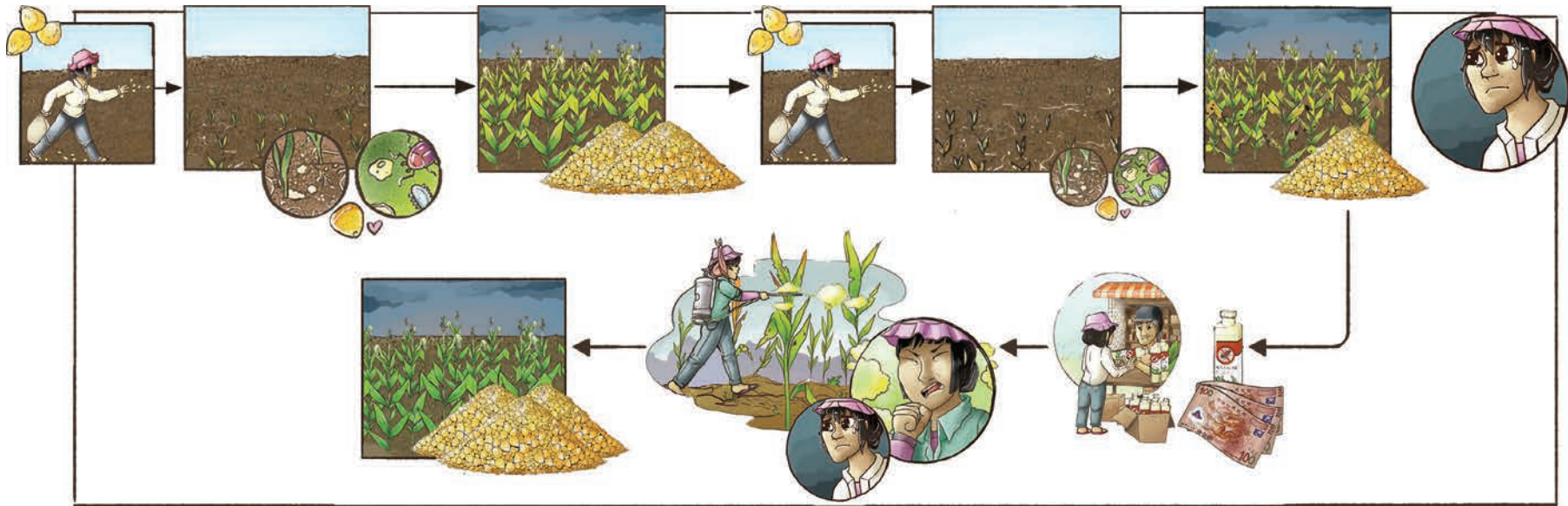


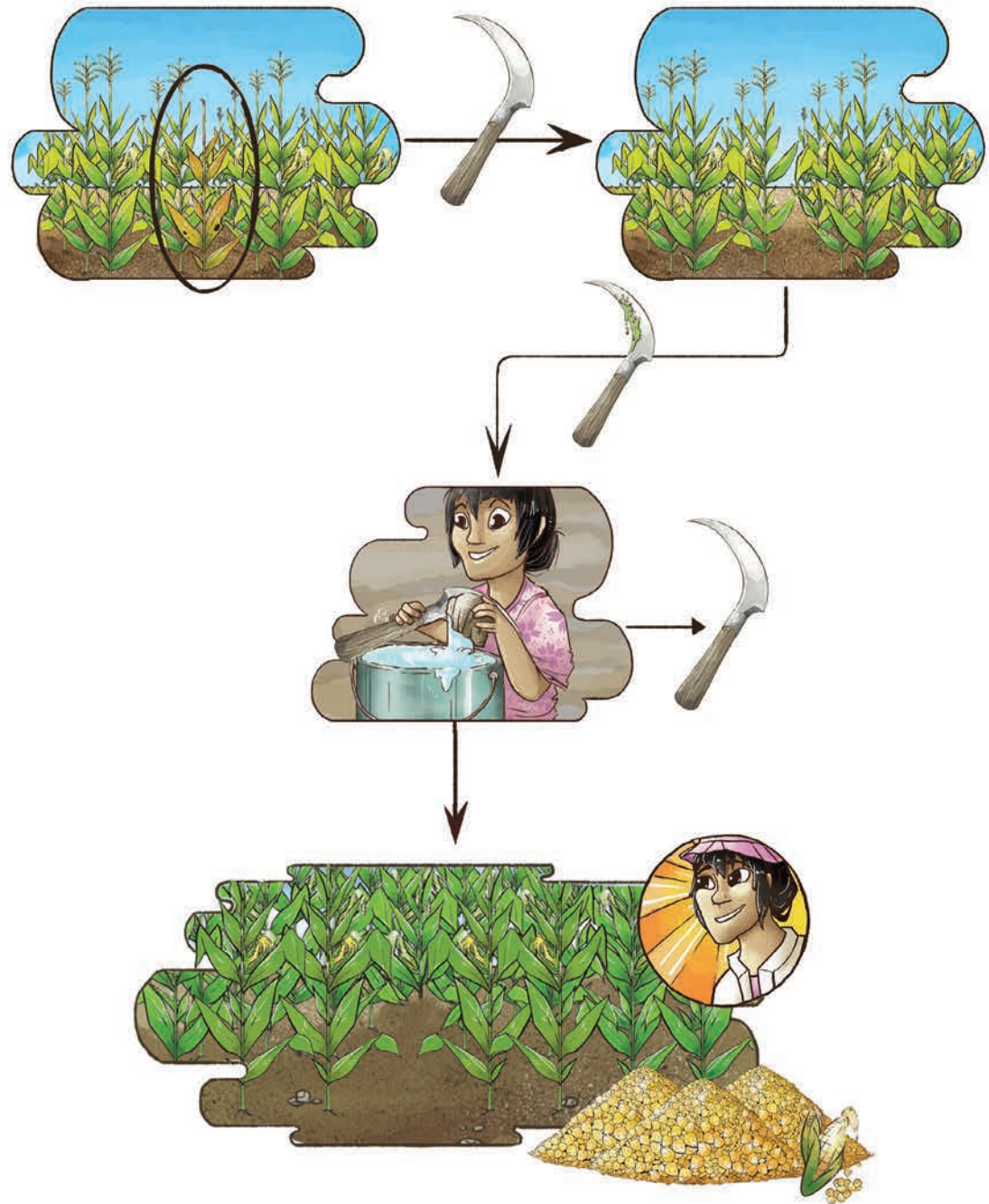
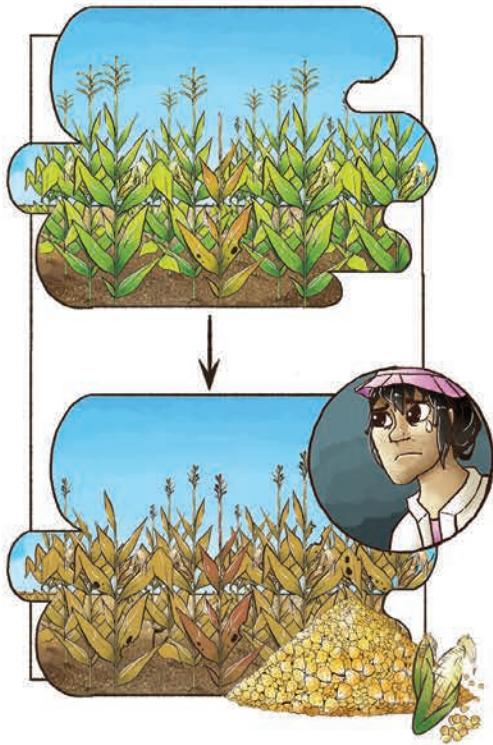


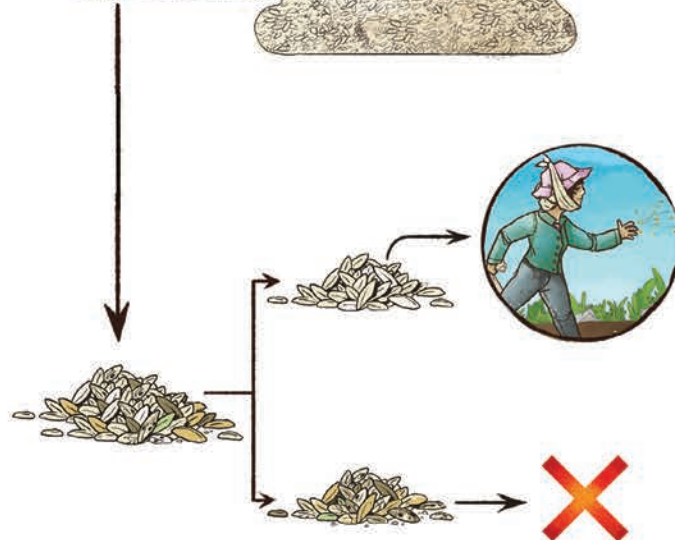
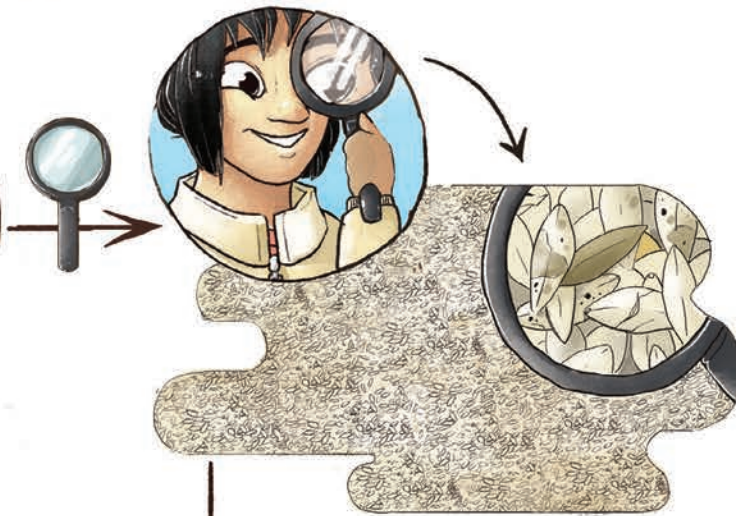
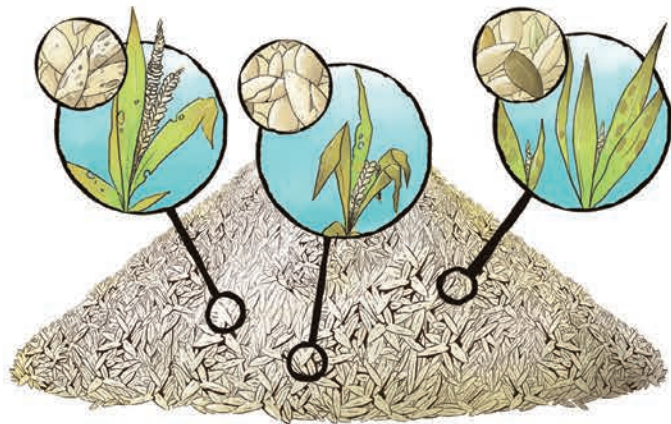


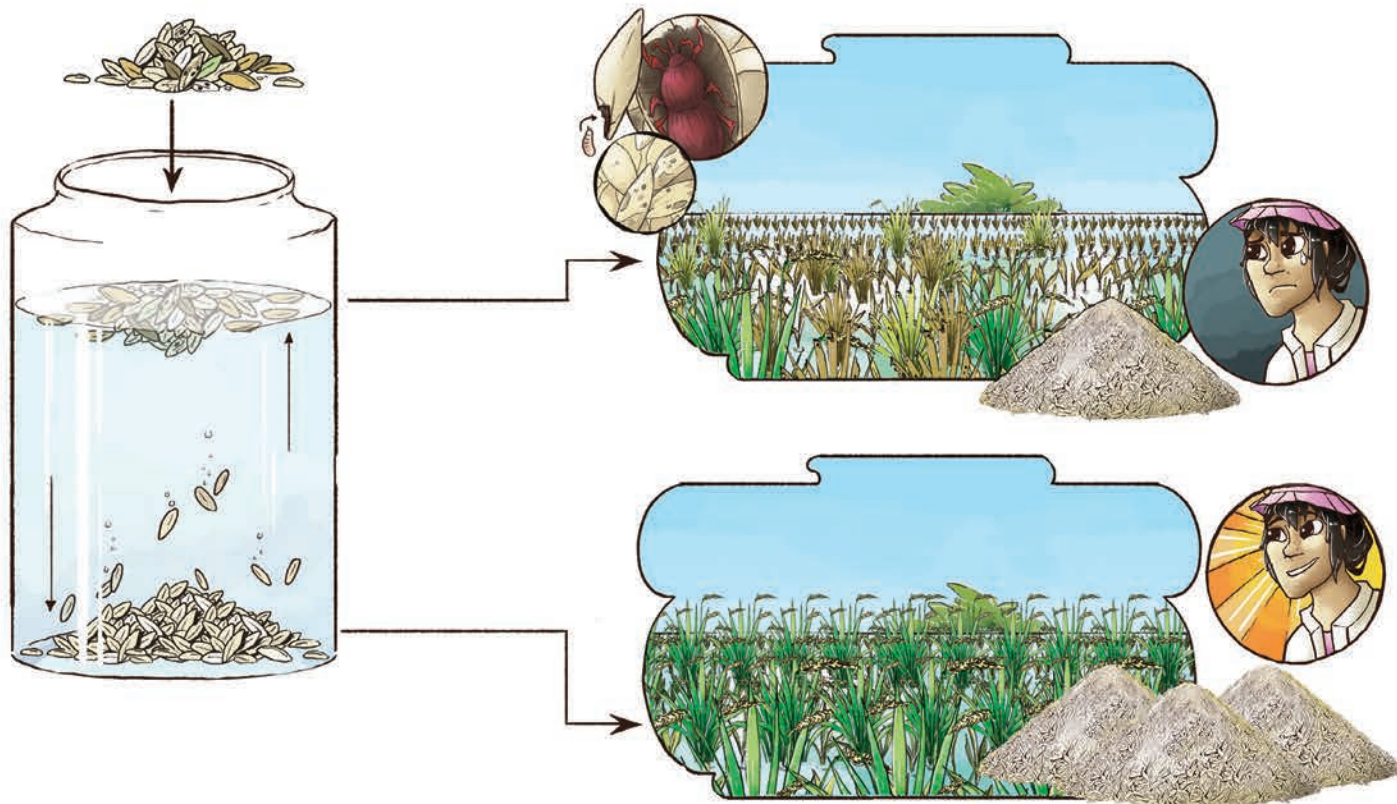
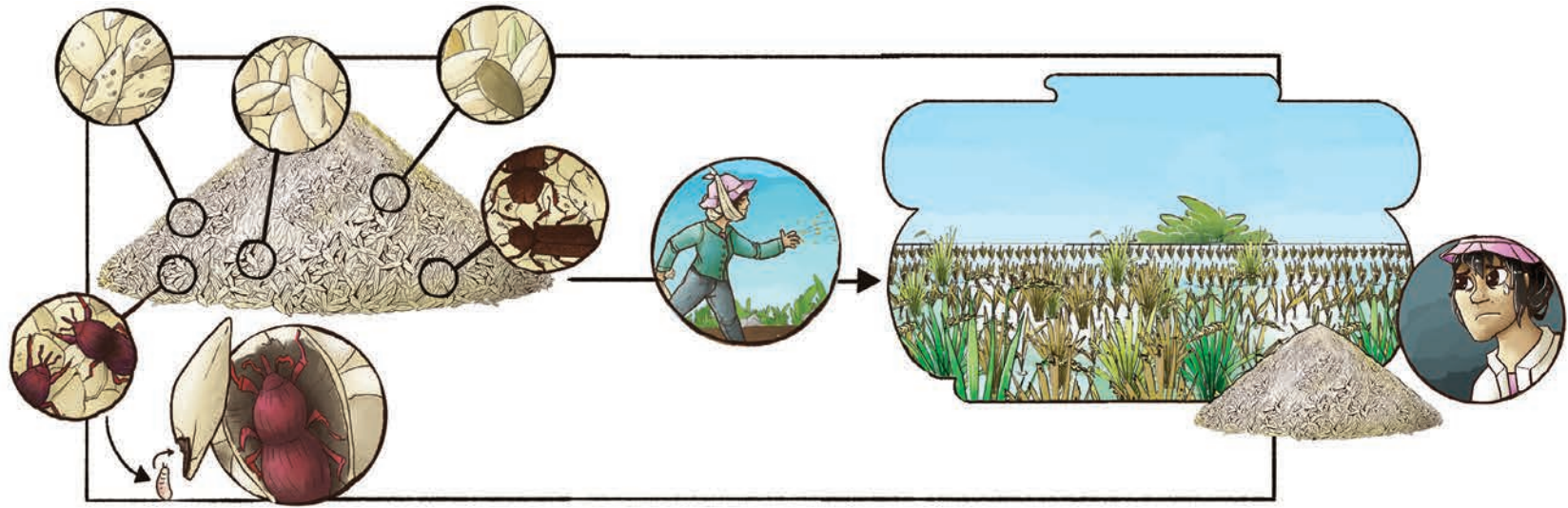


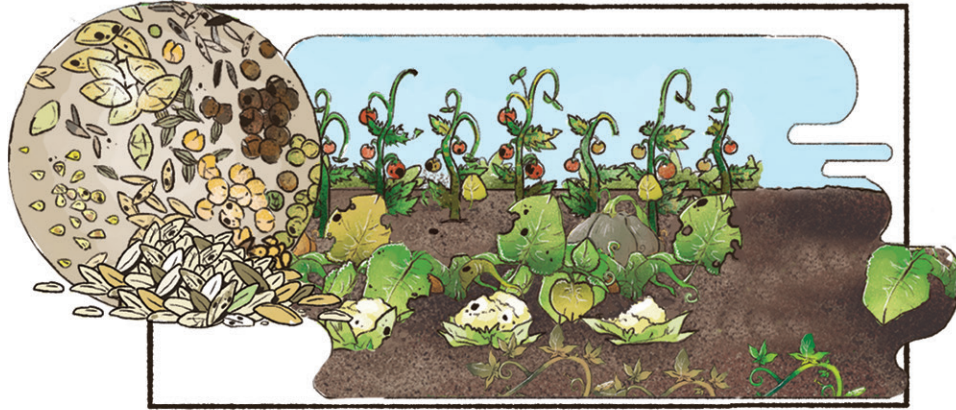
Chapter 8: Pests & Disease

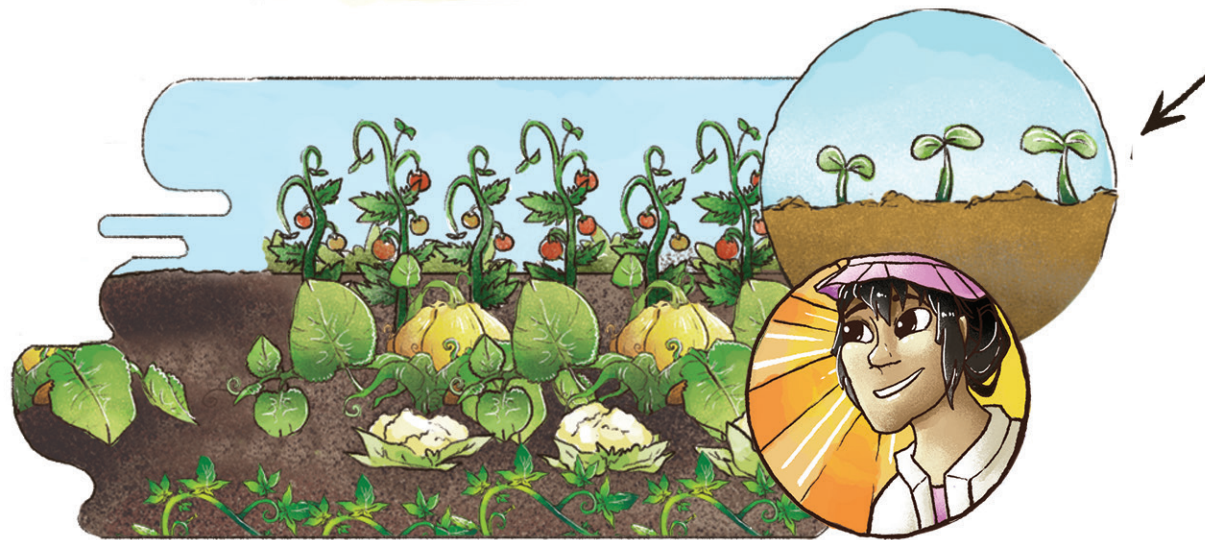
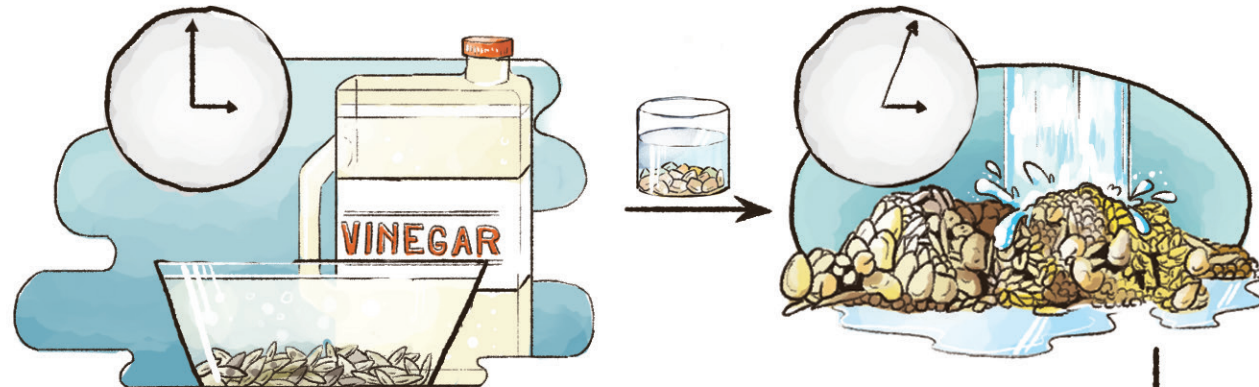
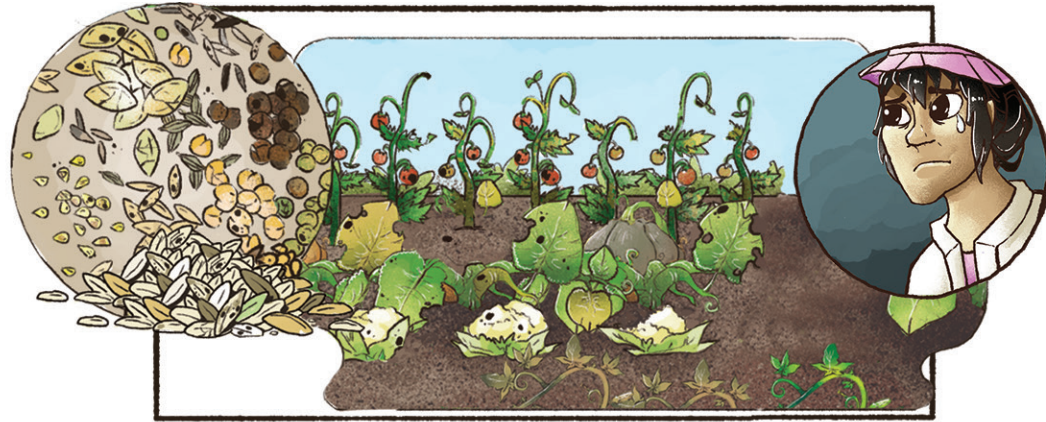


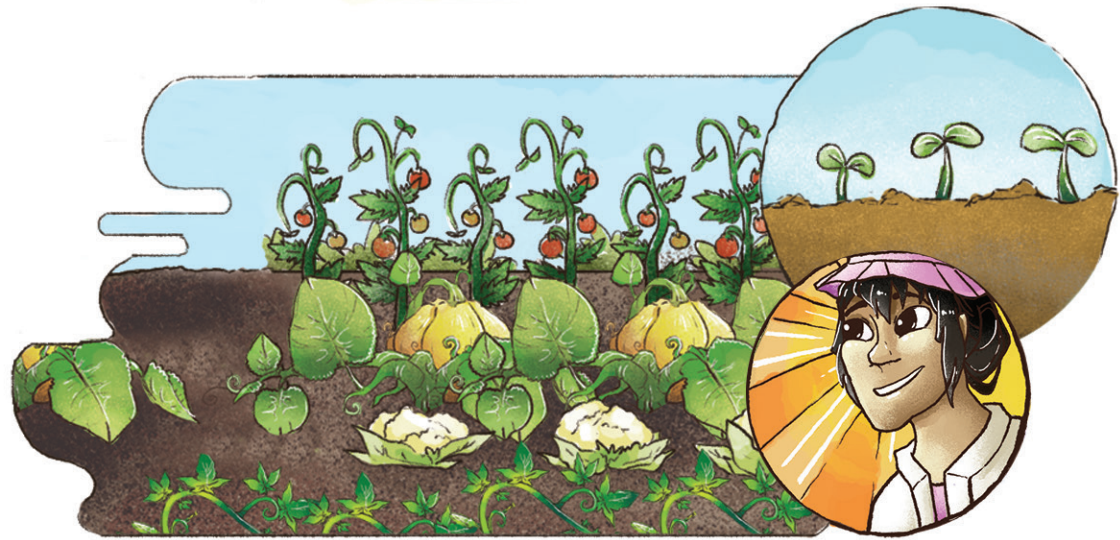
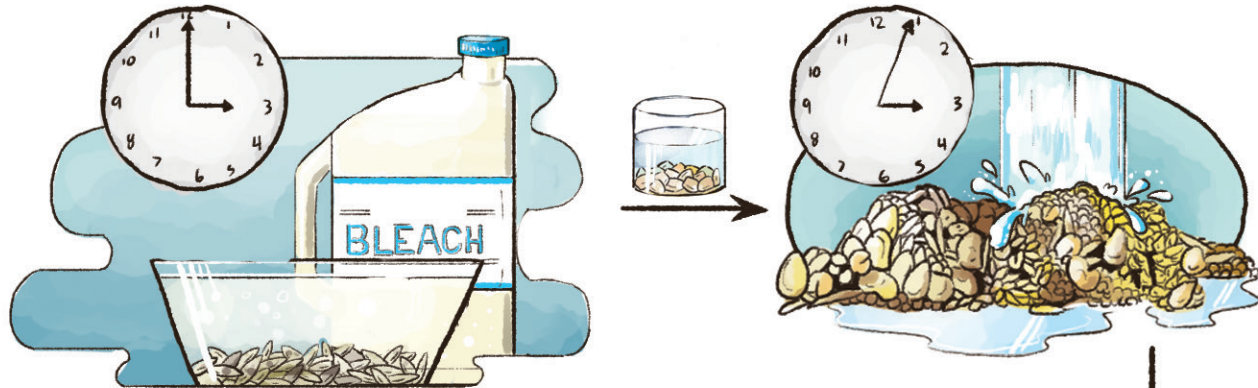
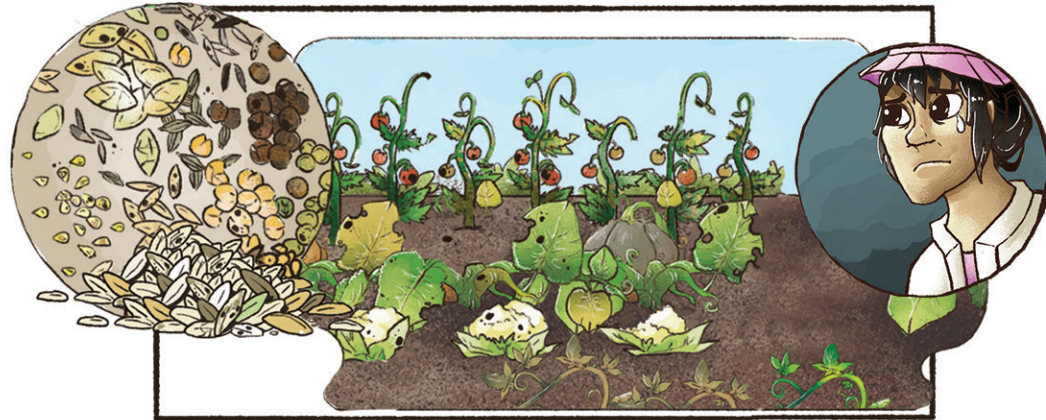


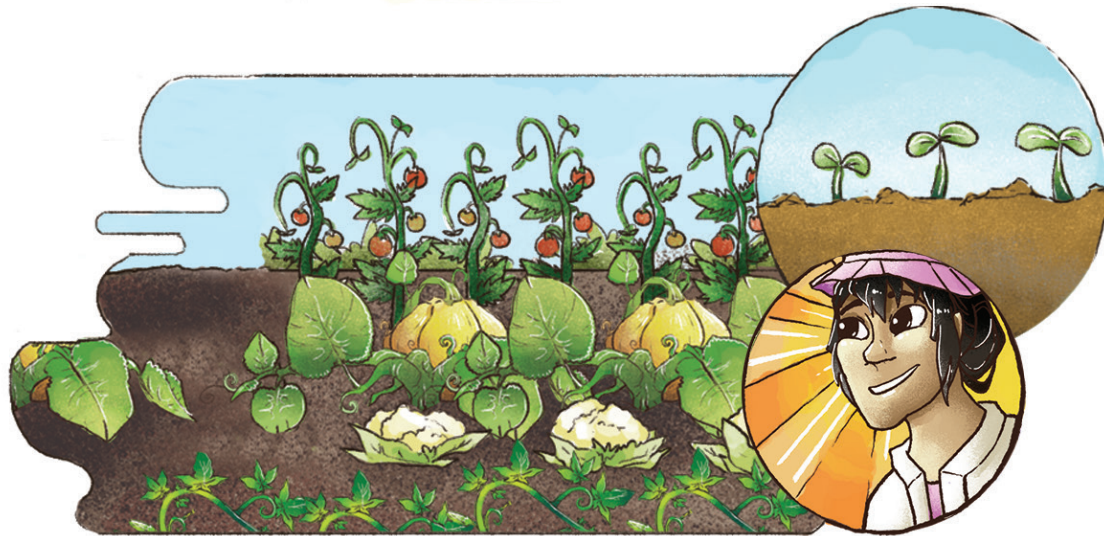
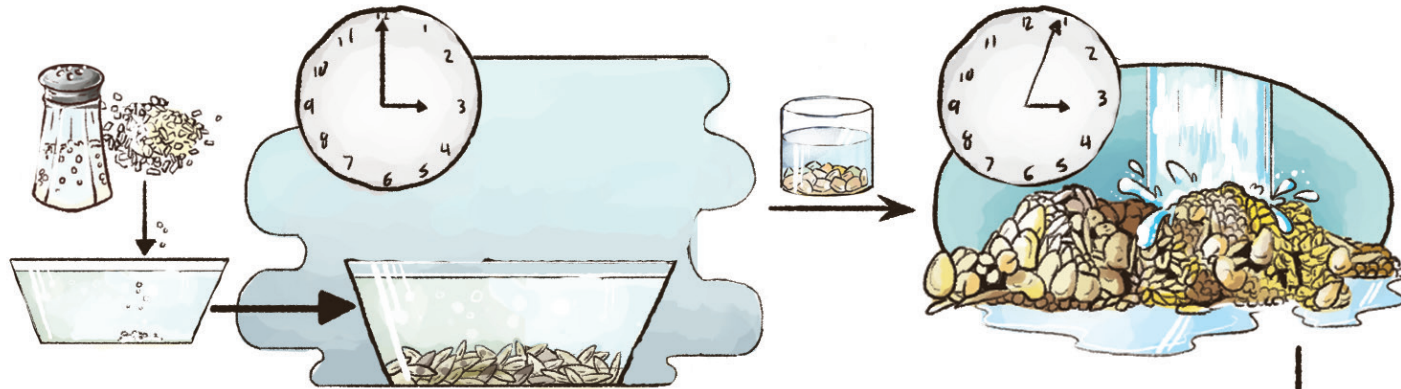
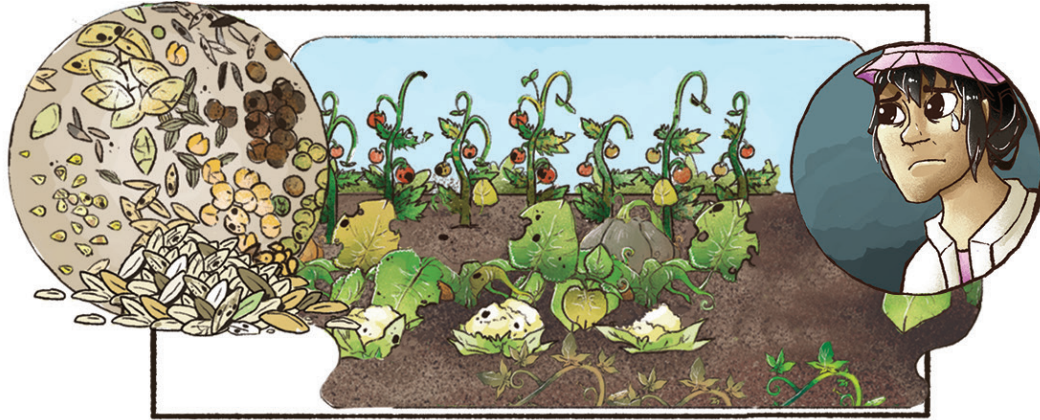


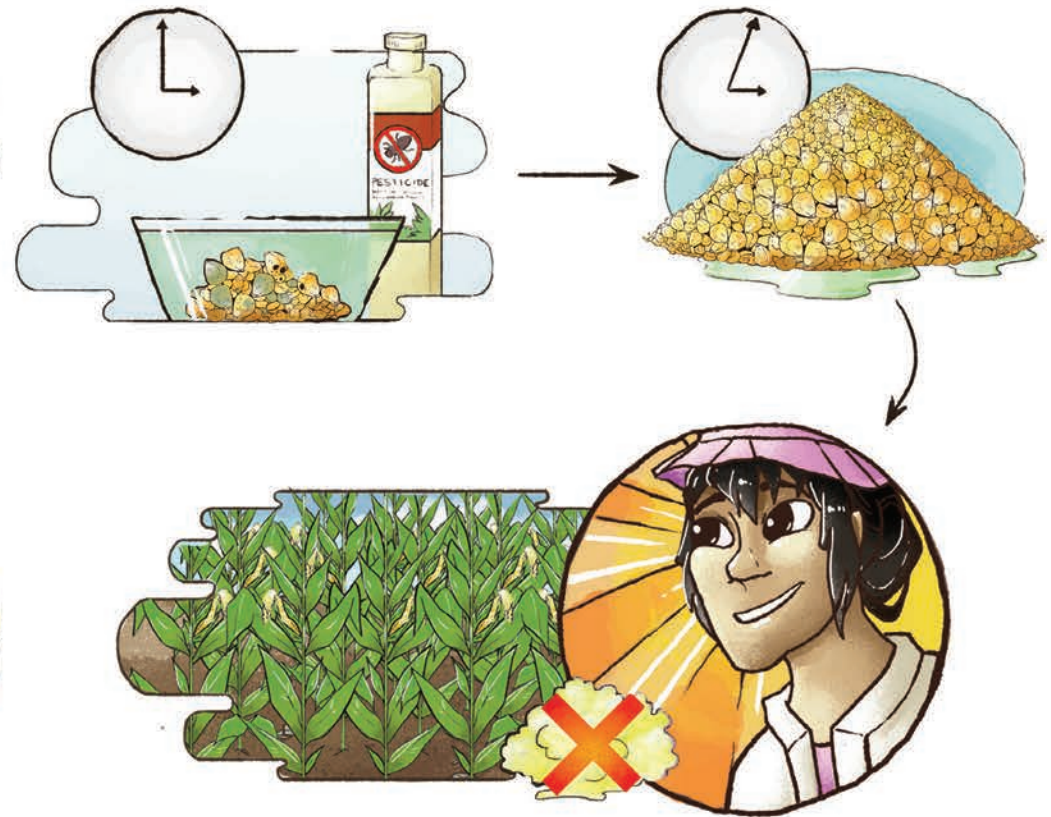
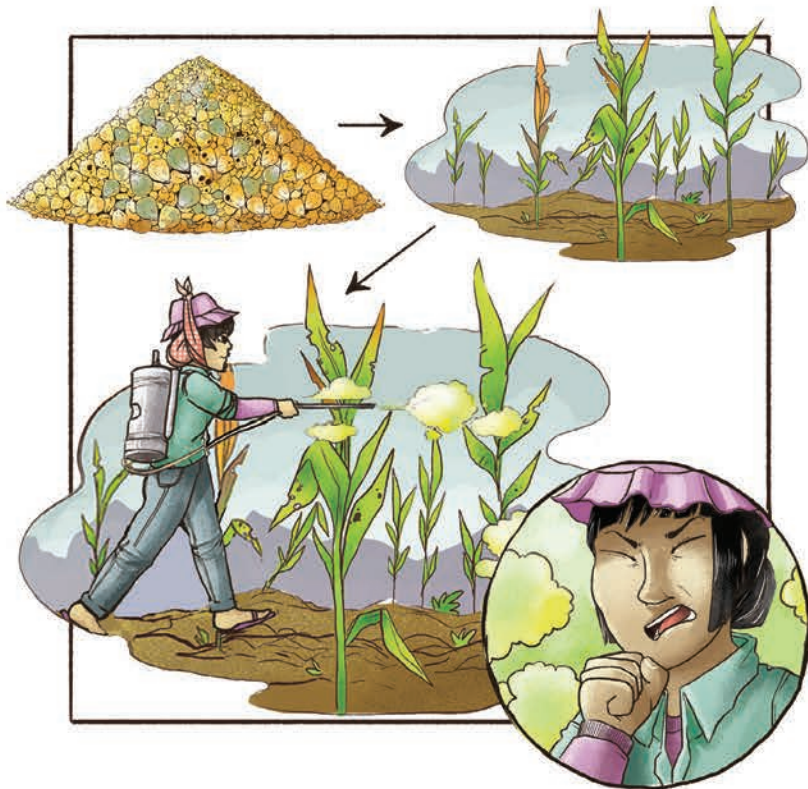


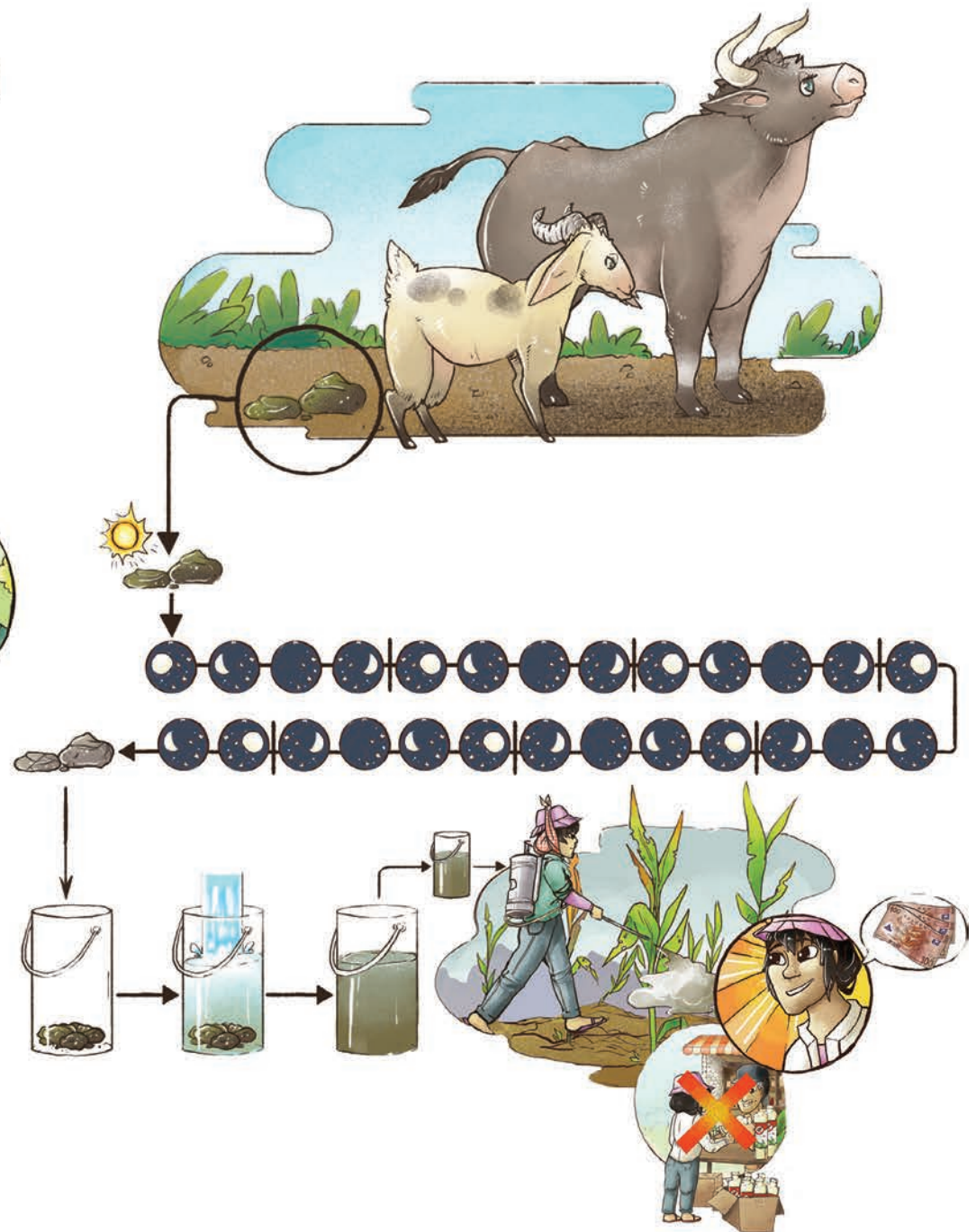
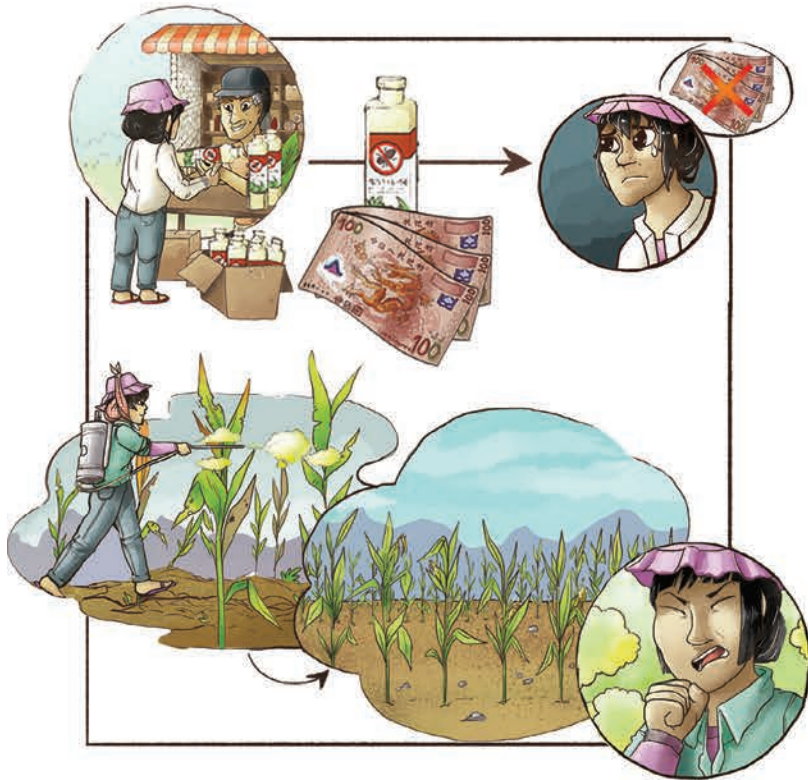


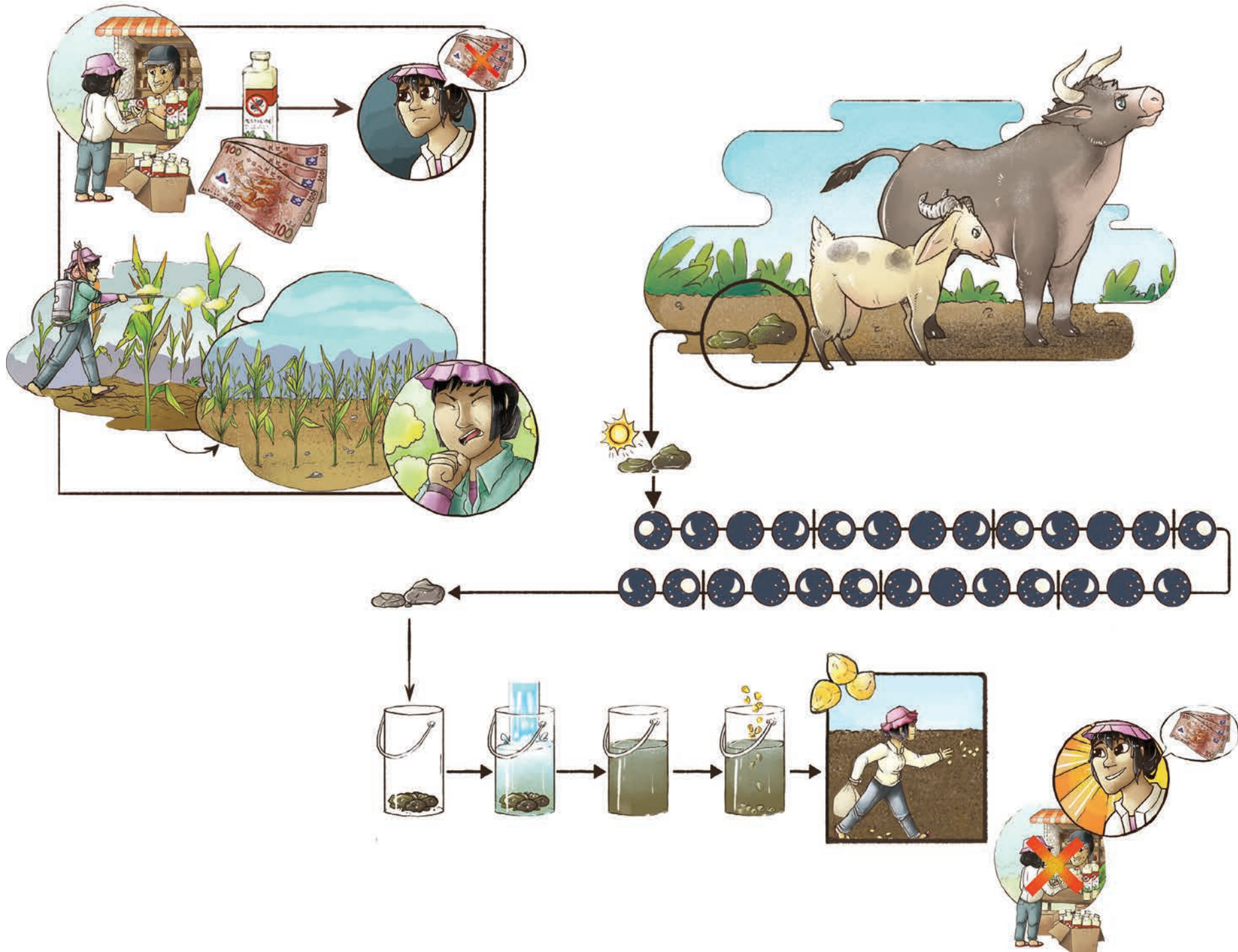


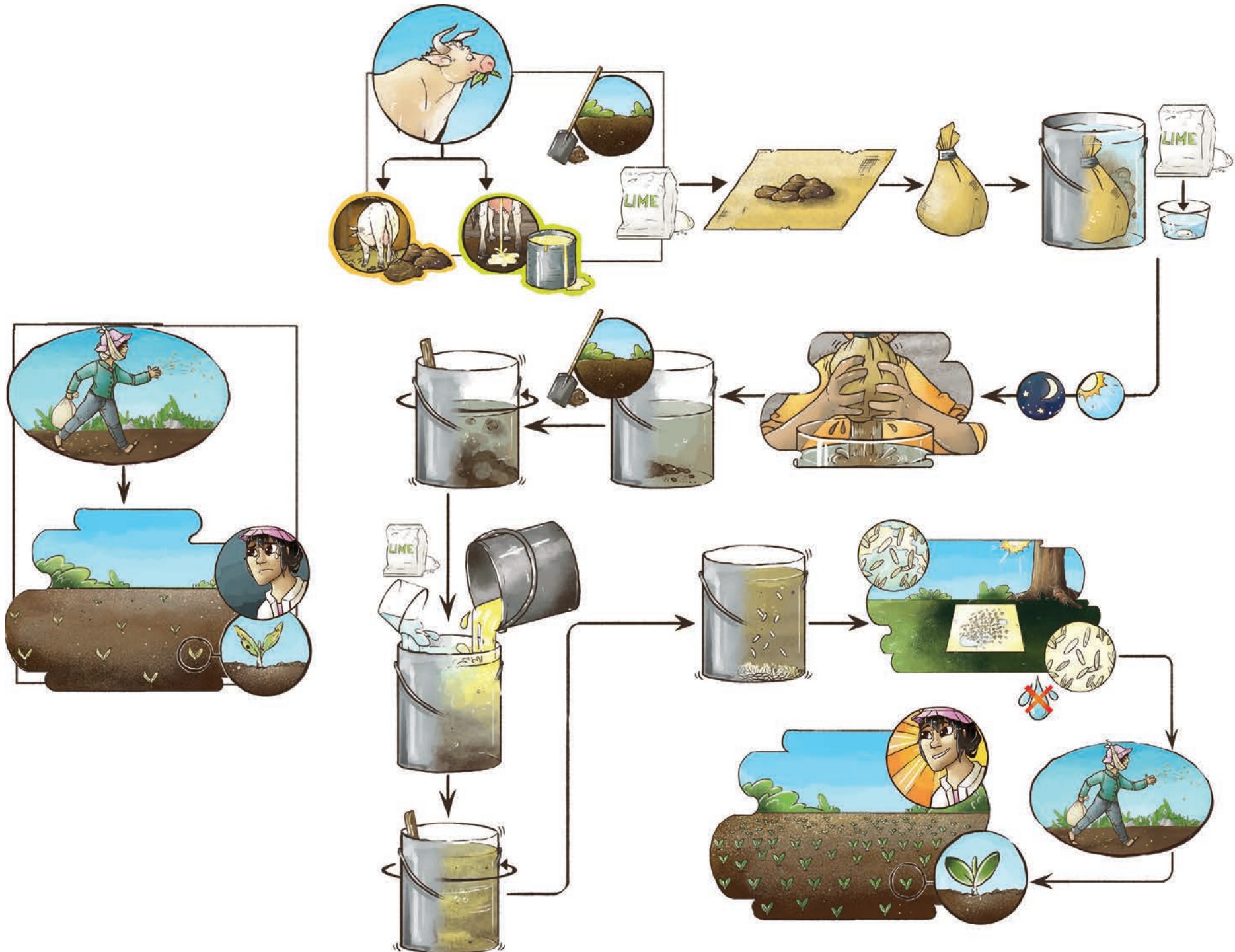


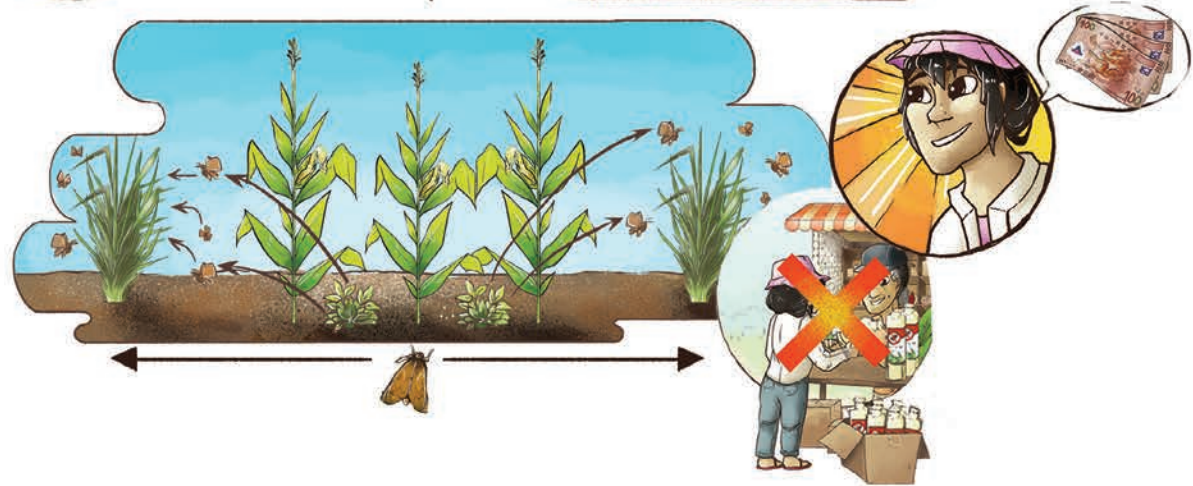
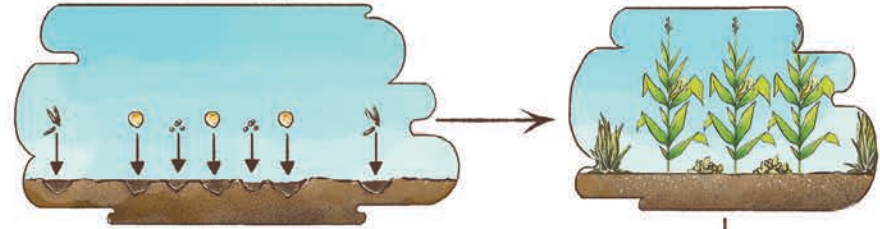
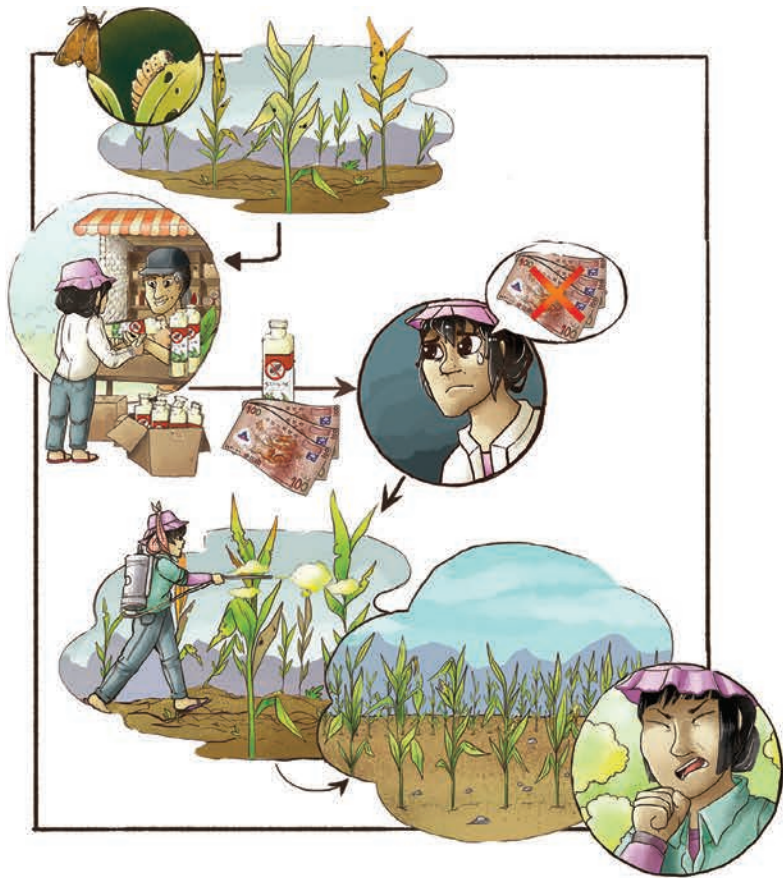


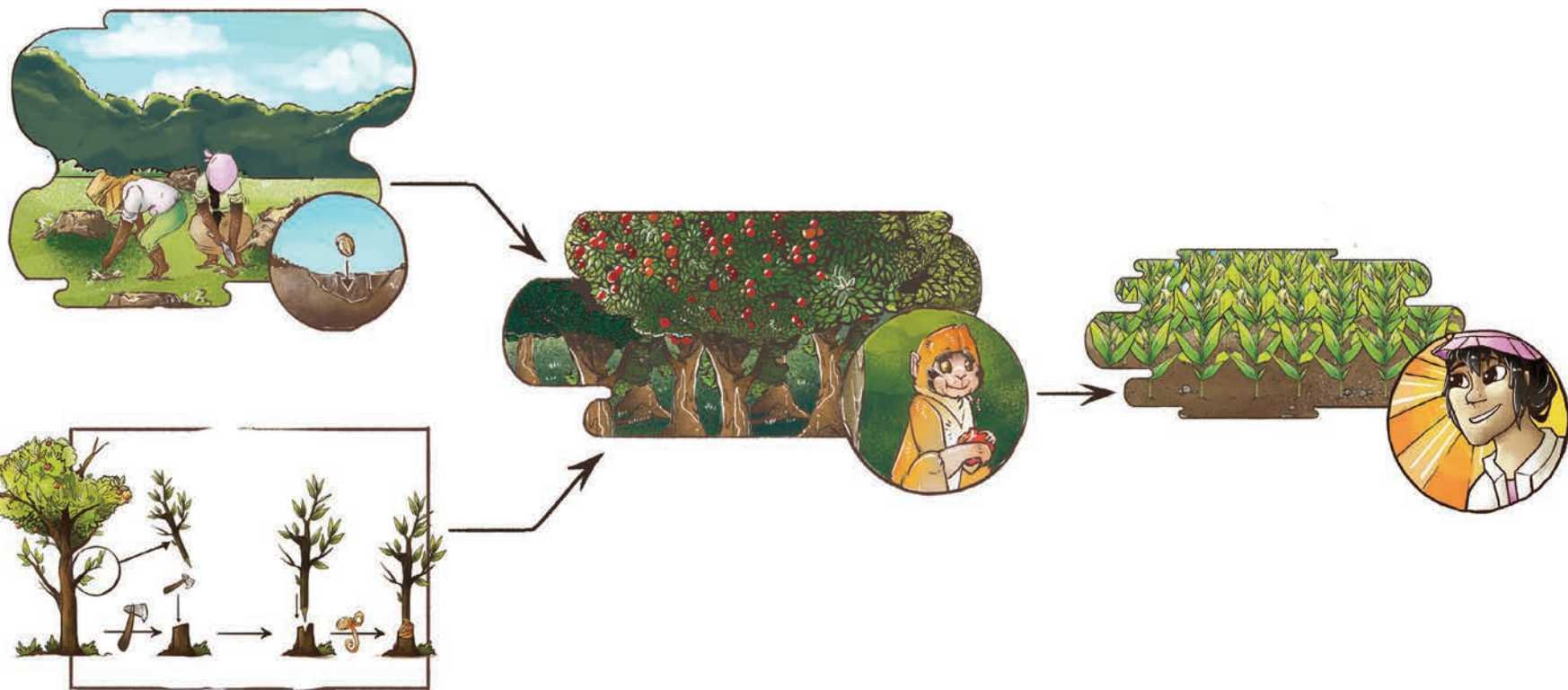




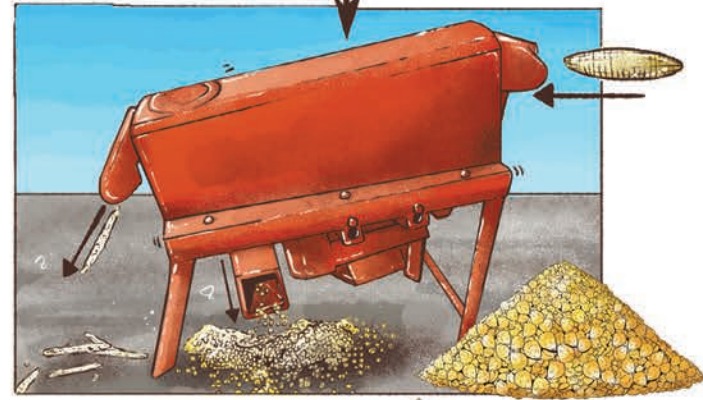
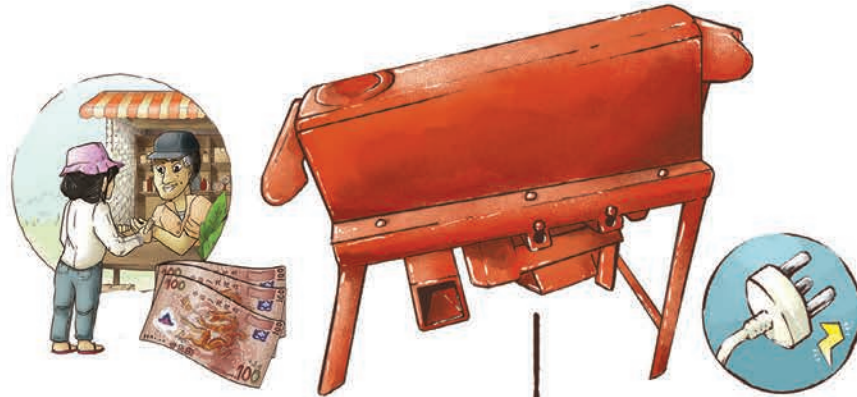
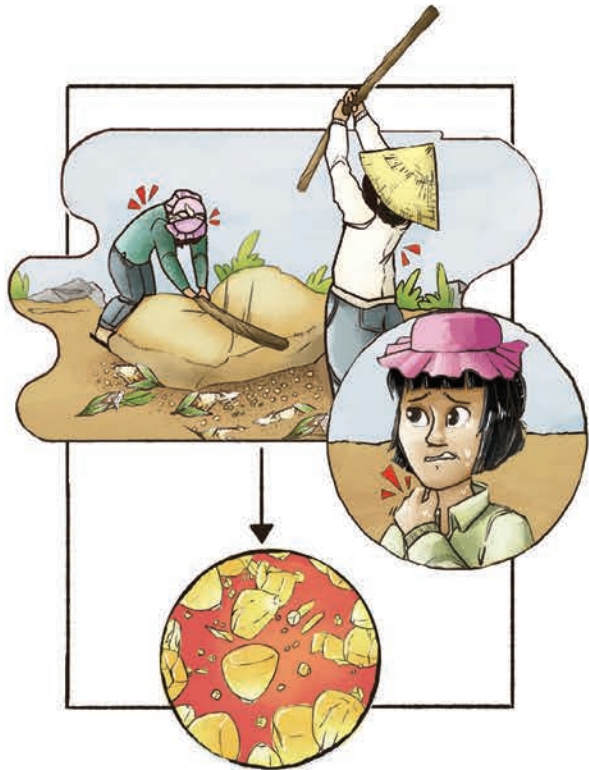


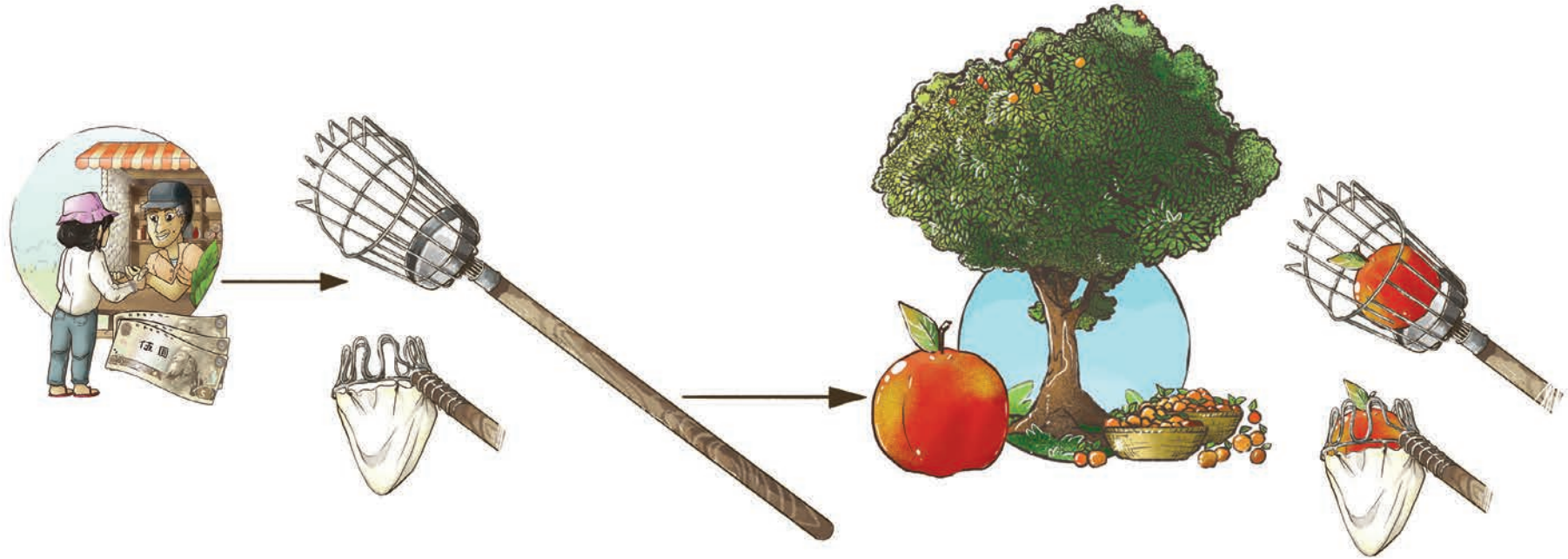
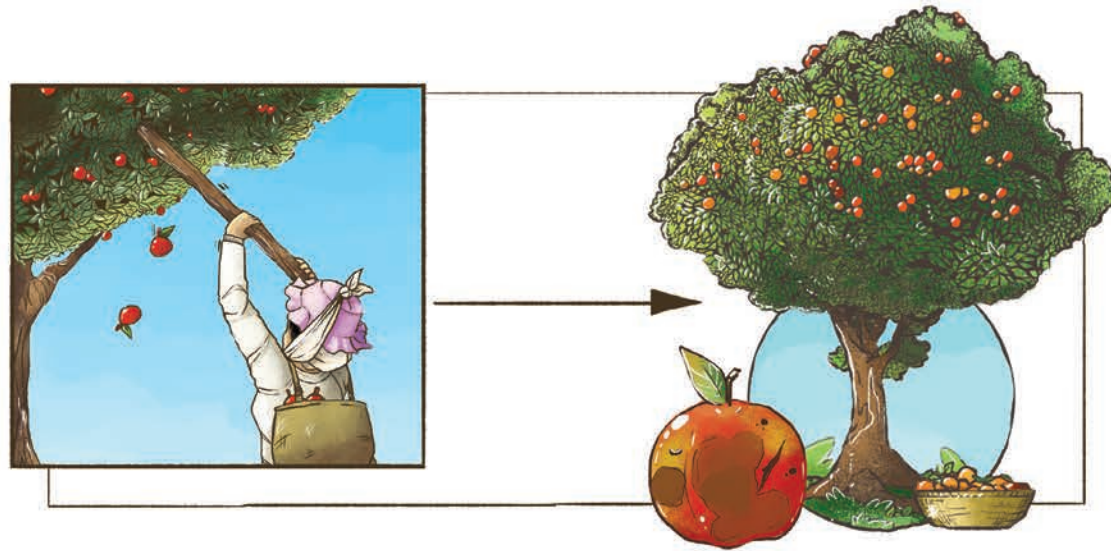


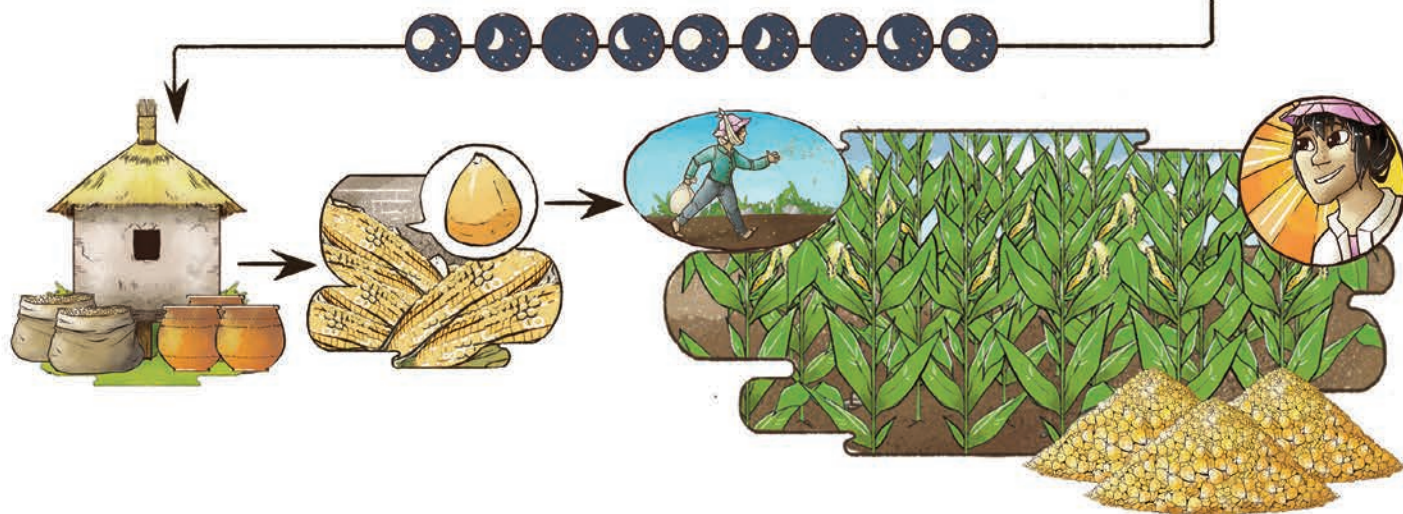
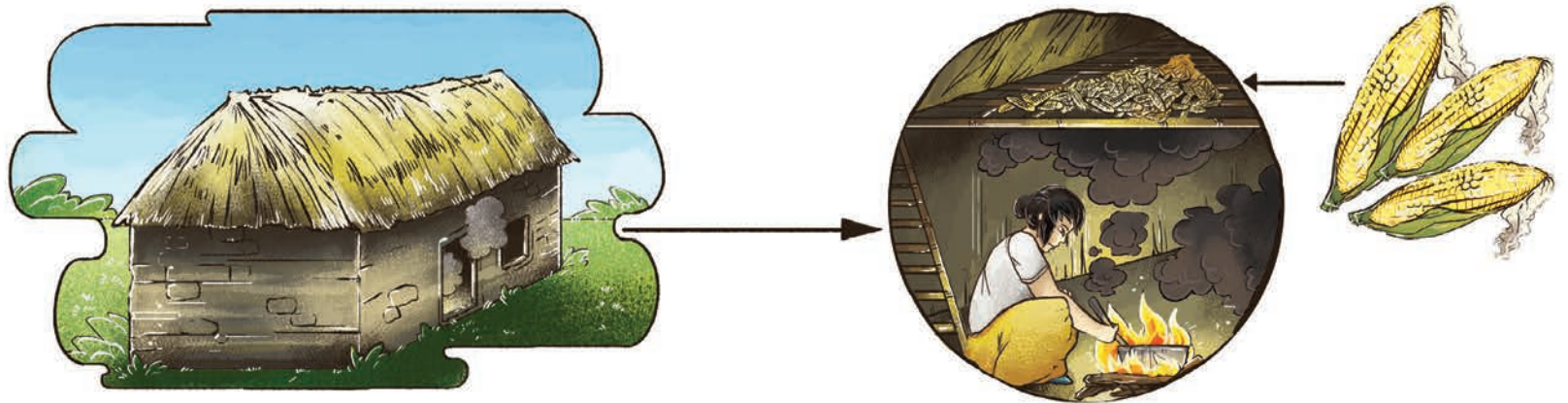
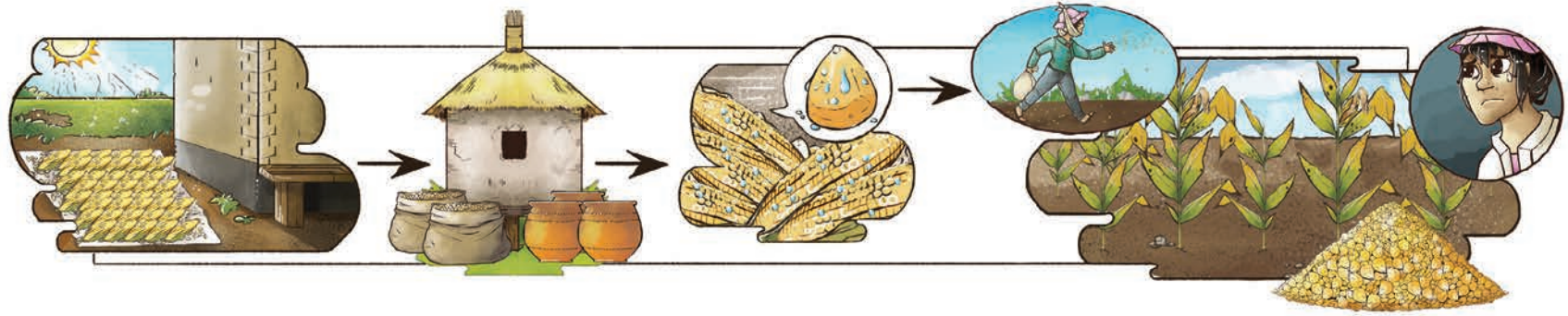


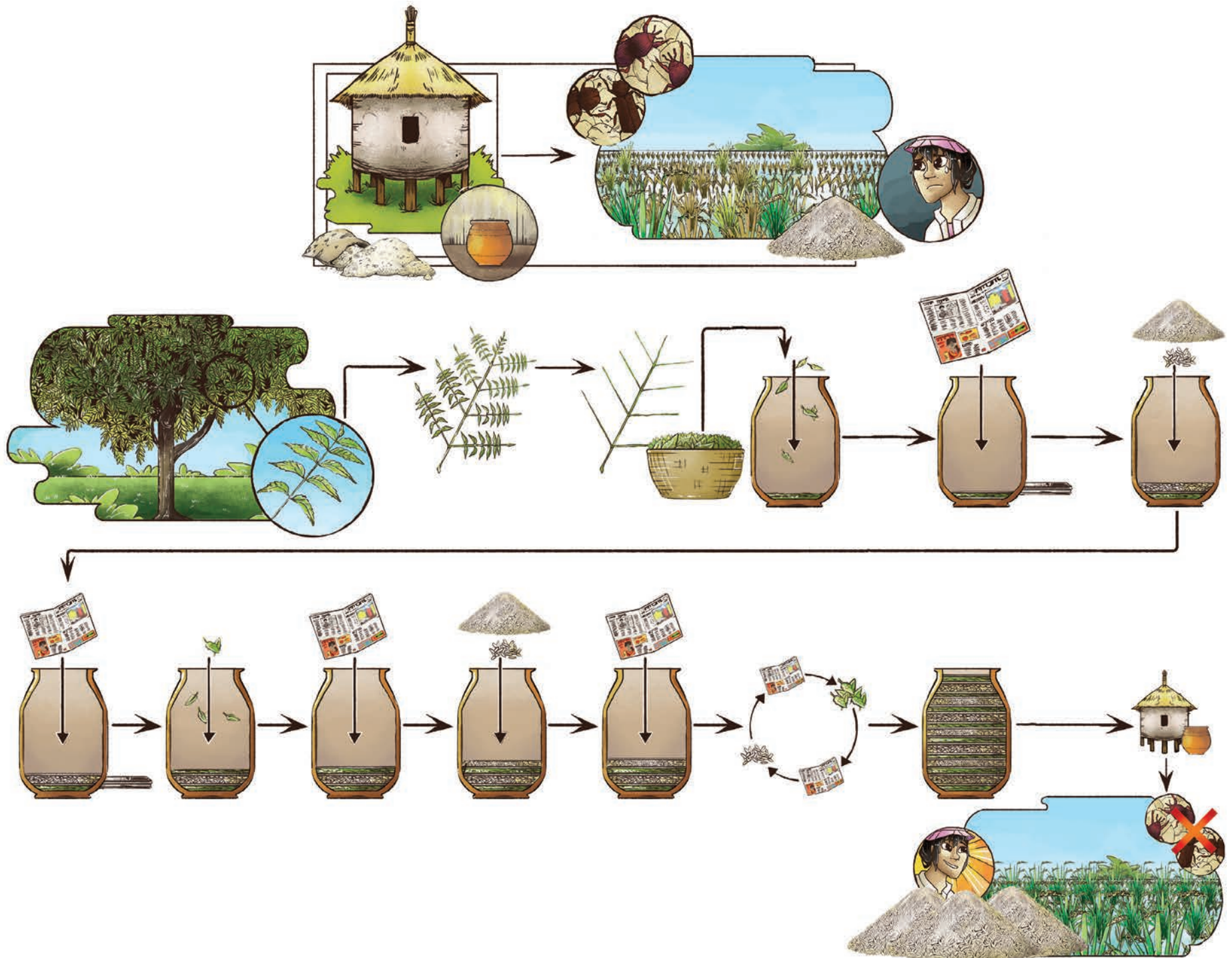


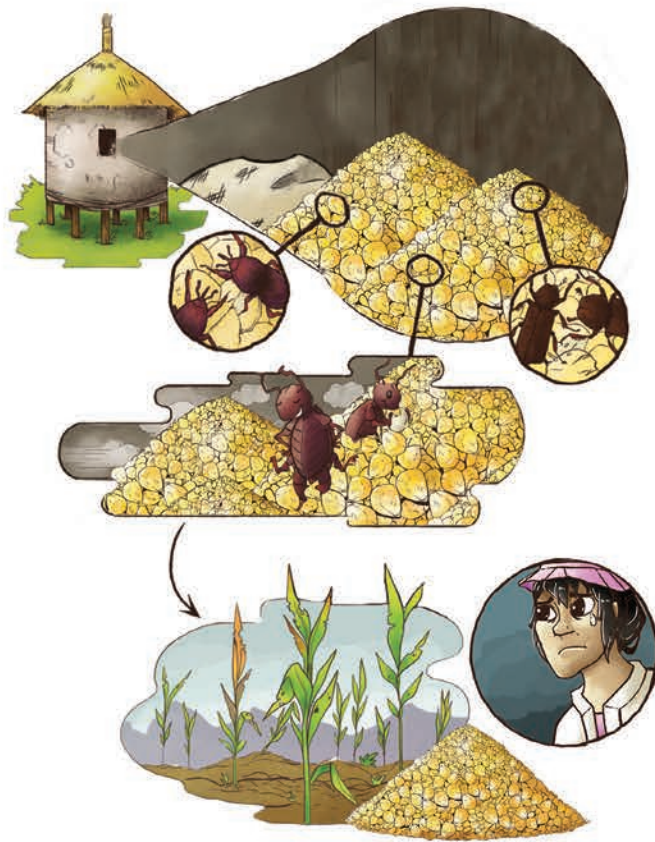
Chapter 9: Post-Harvest

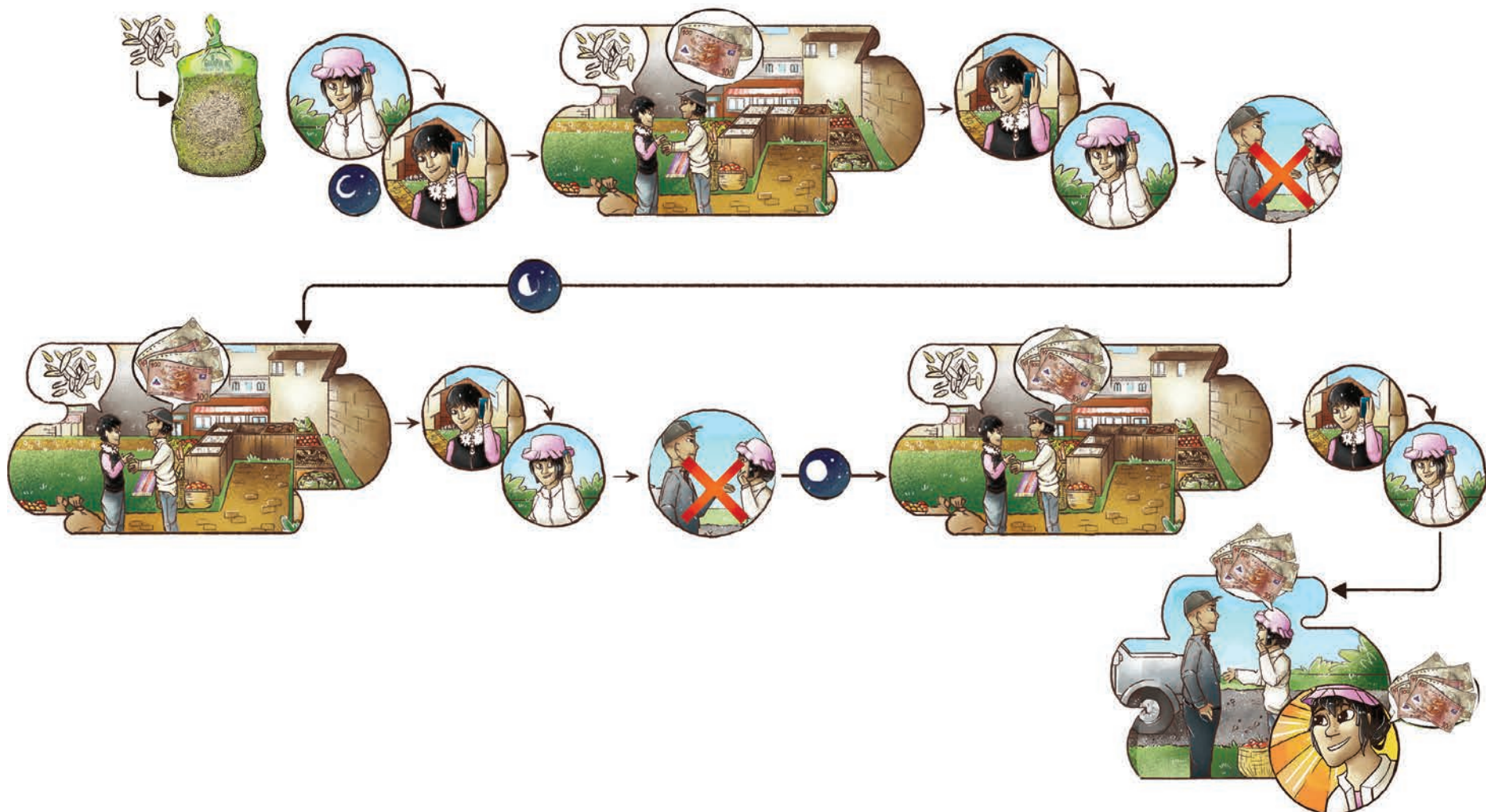
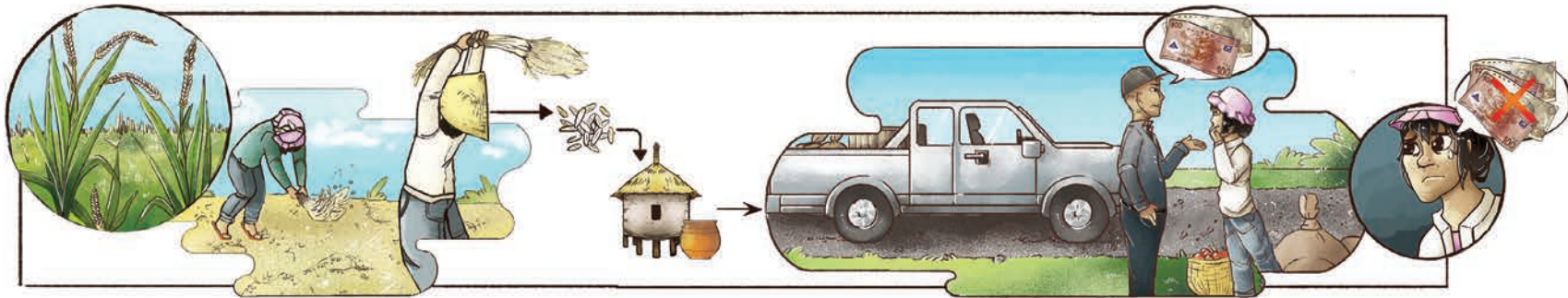




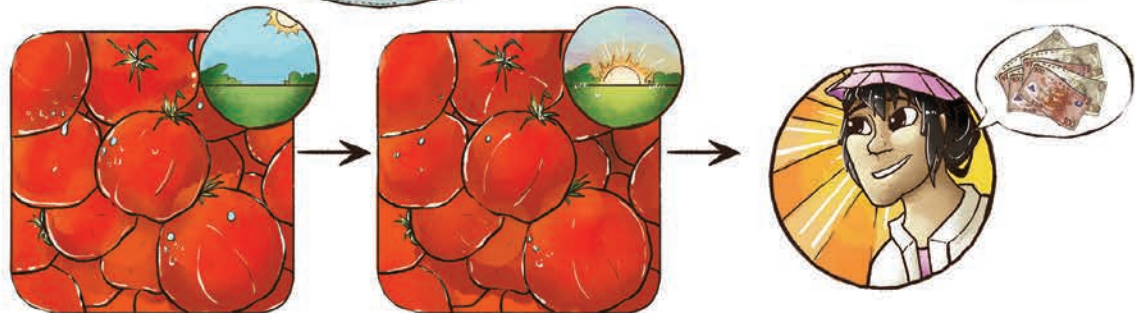
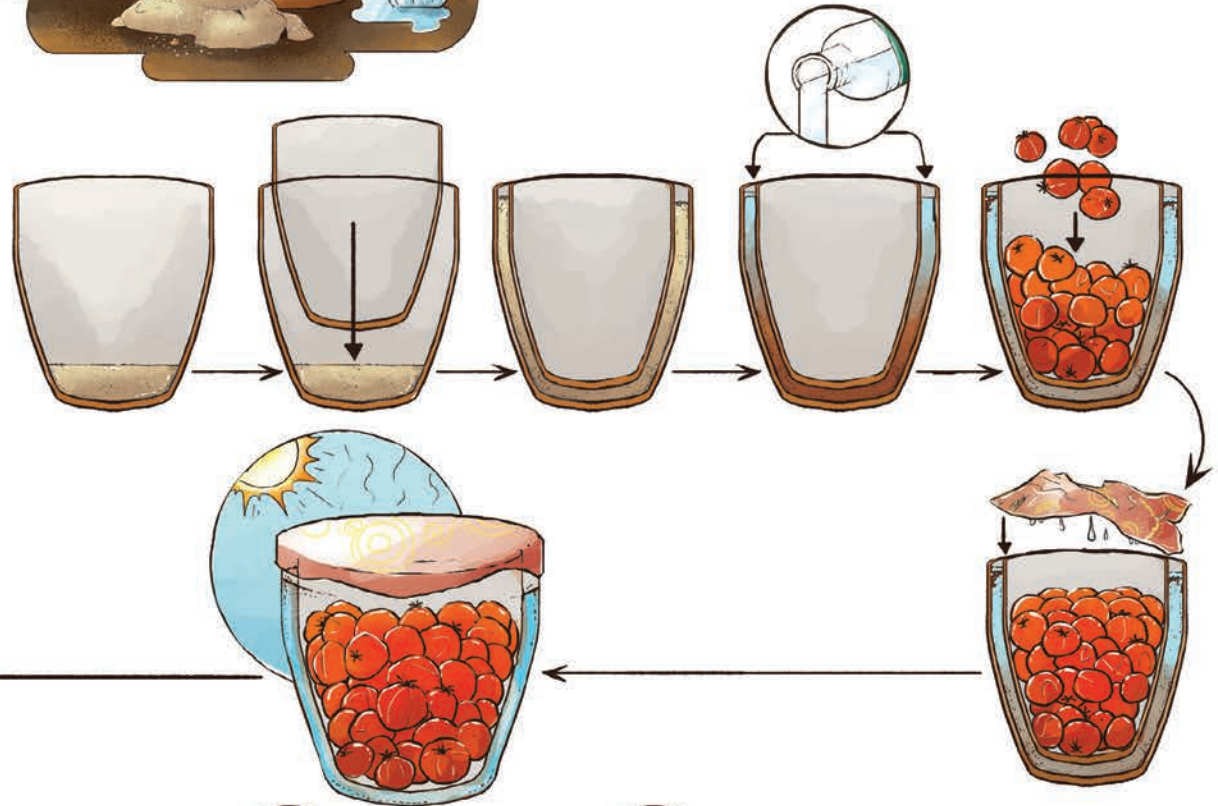
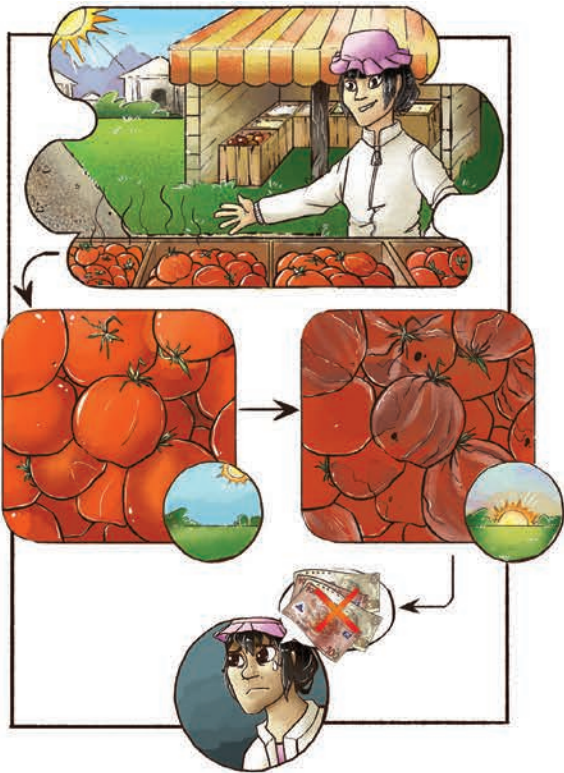


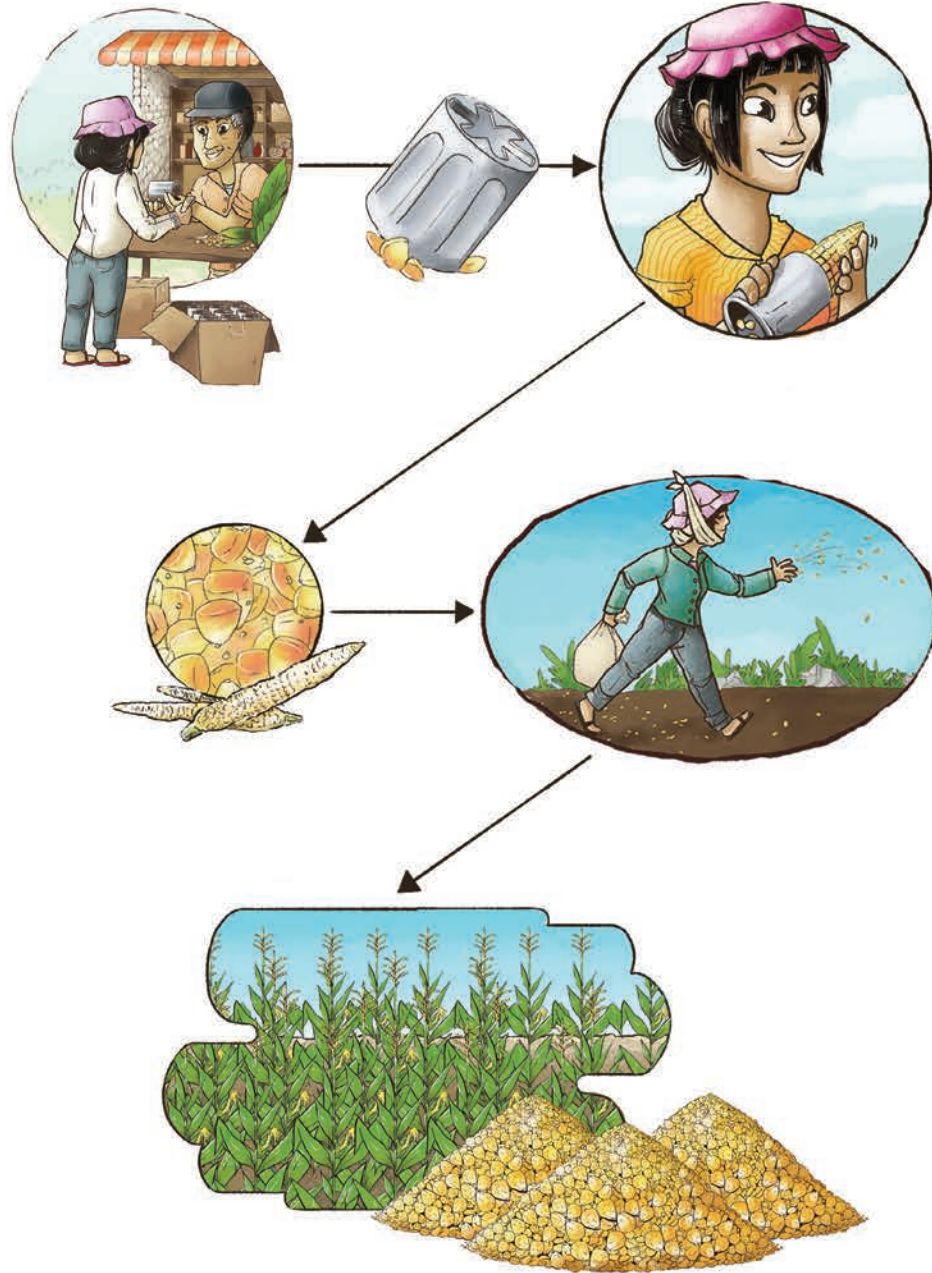
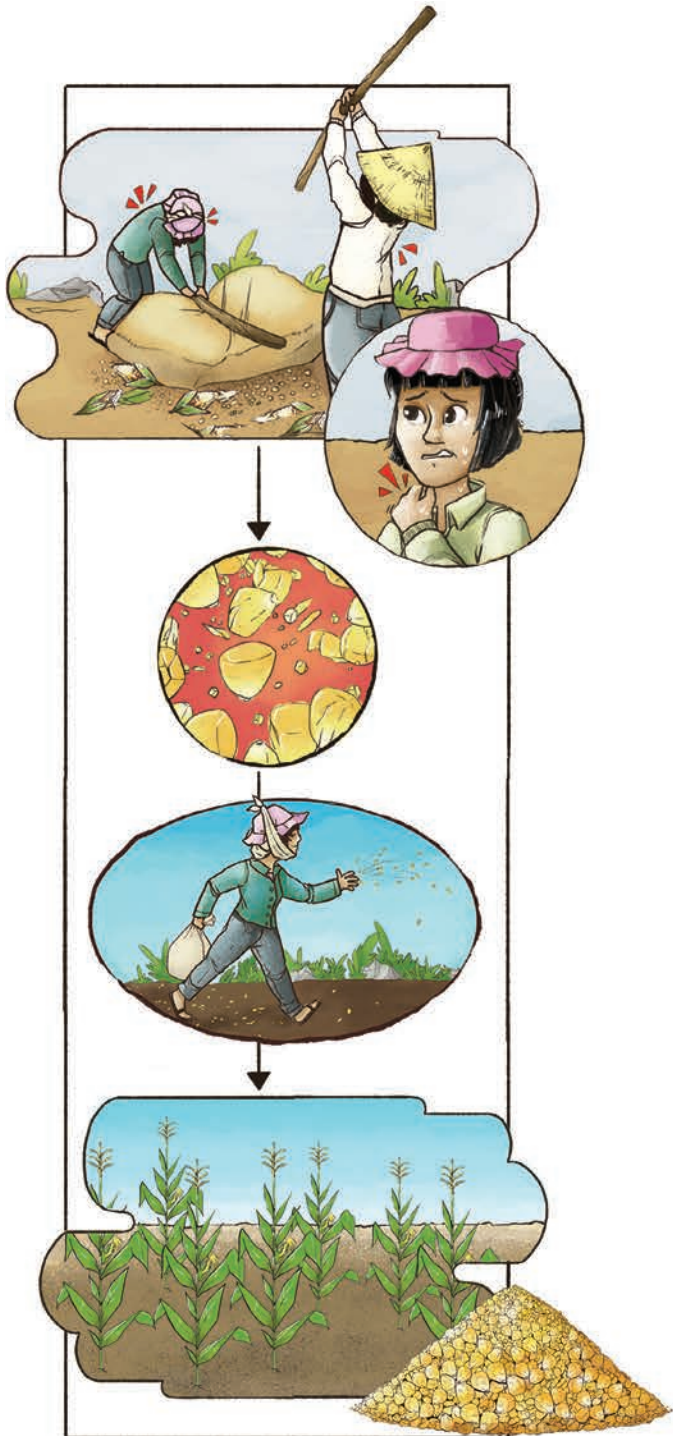


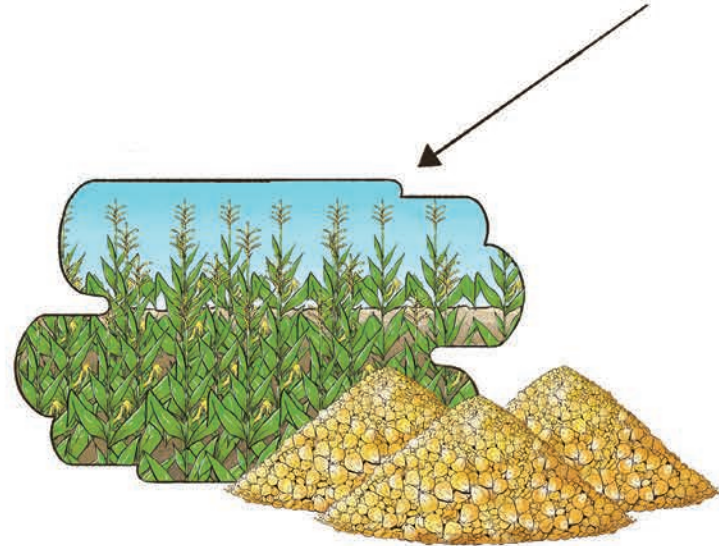
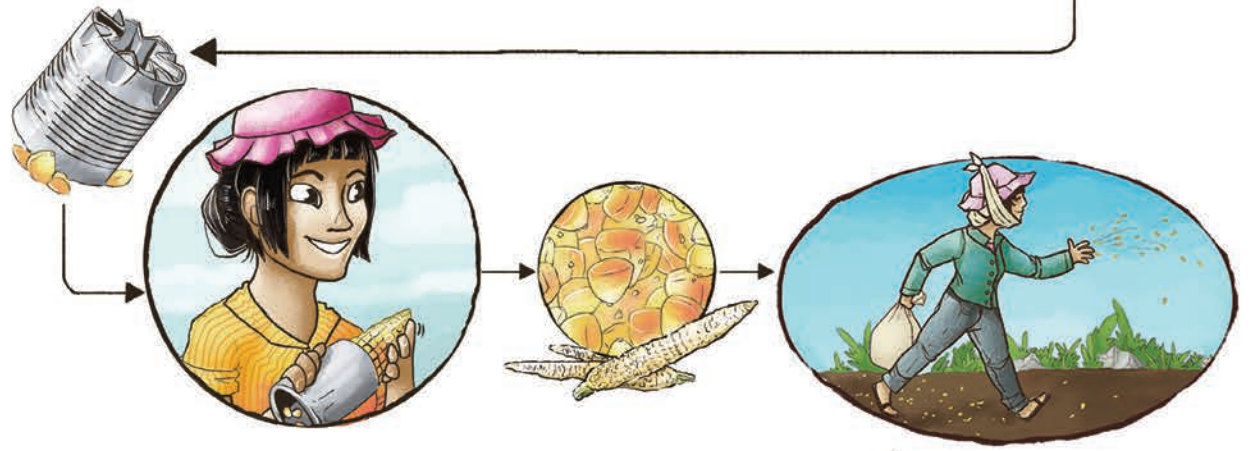
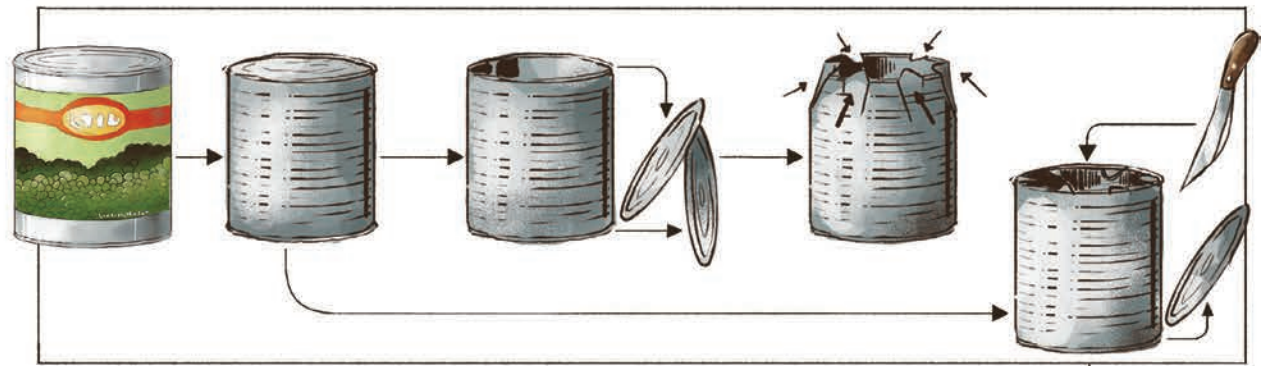
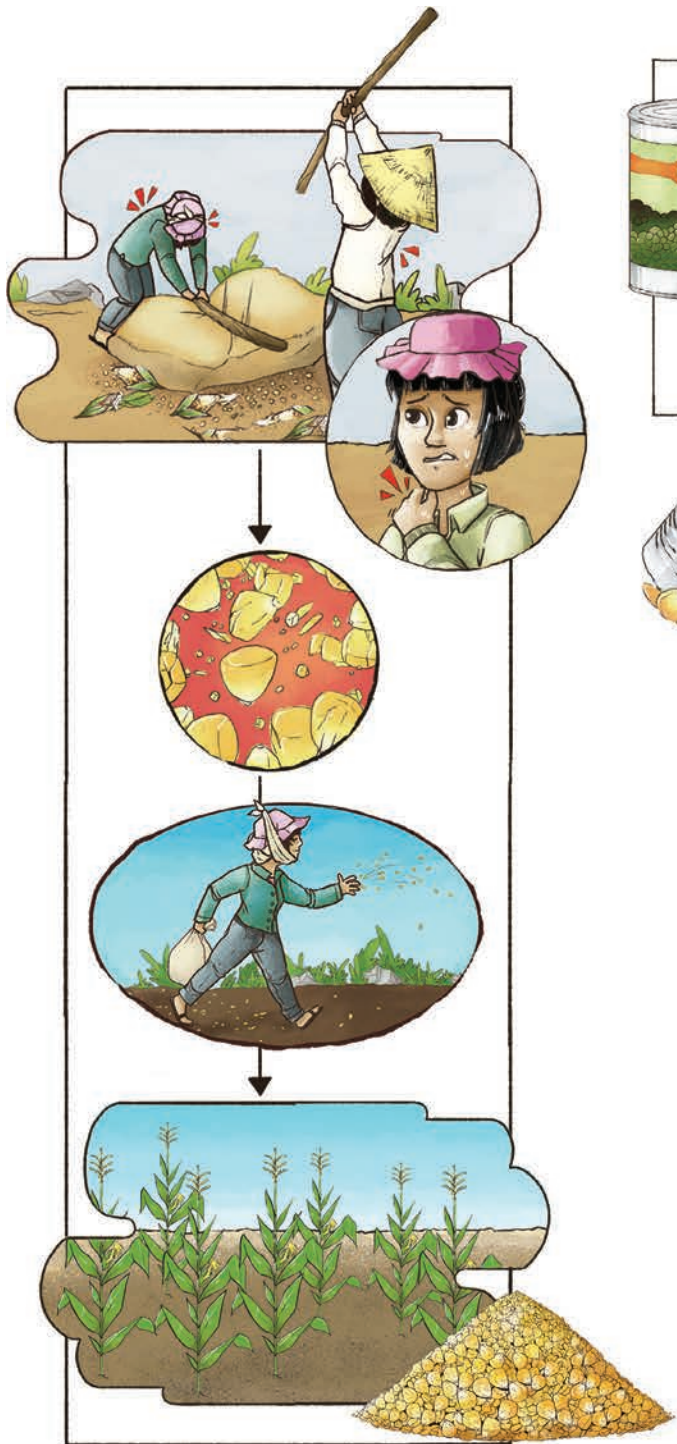


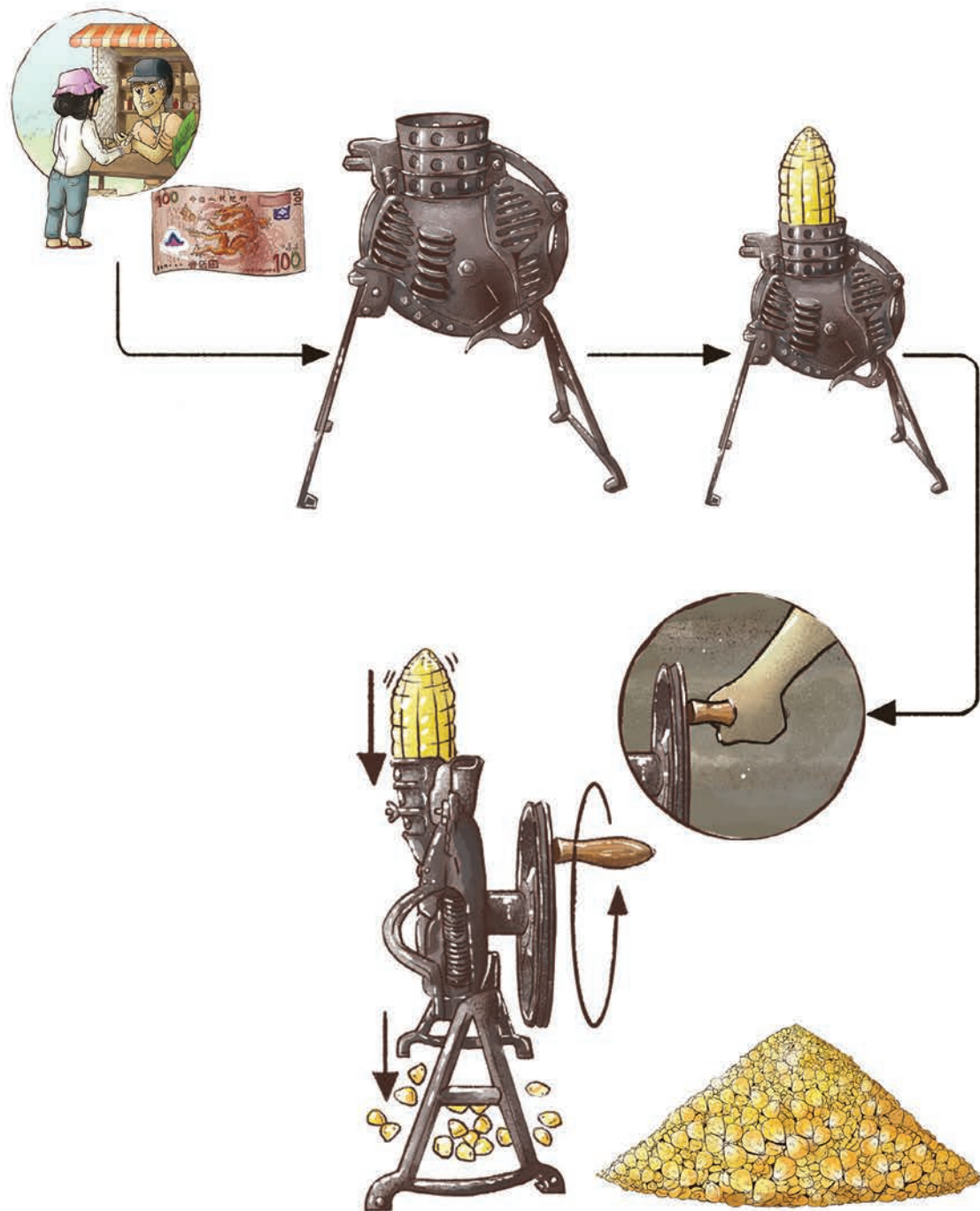
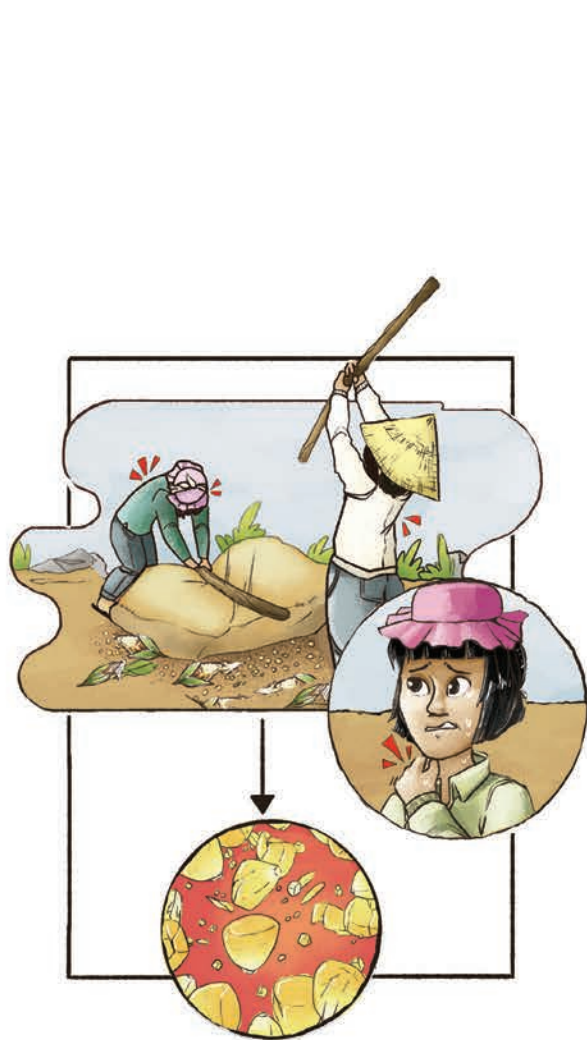


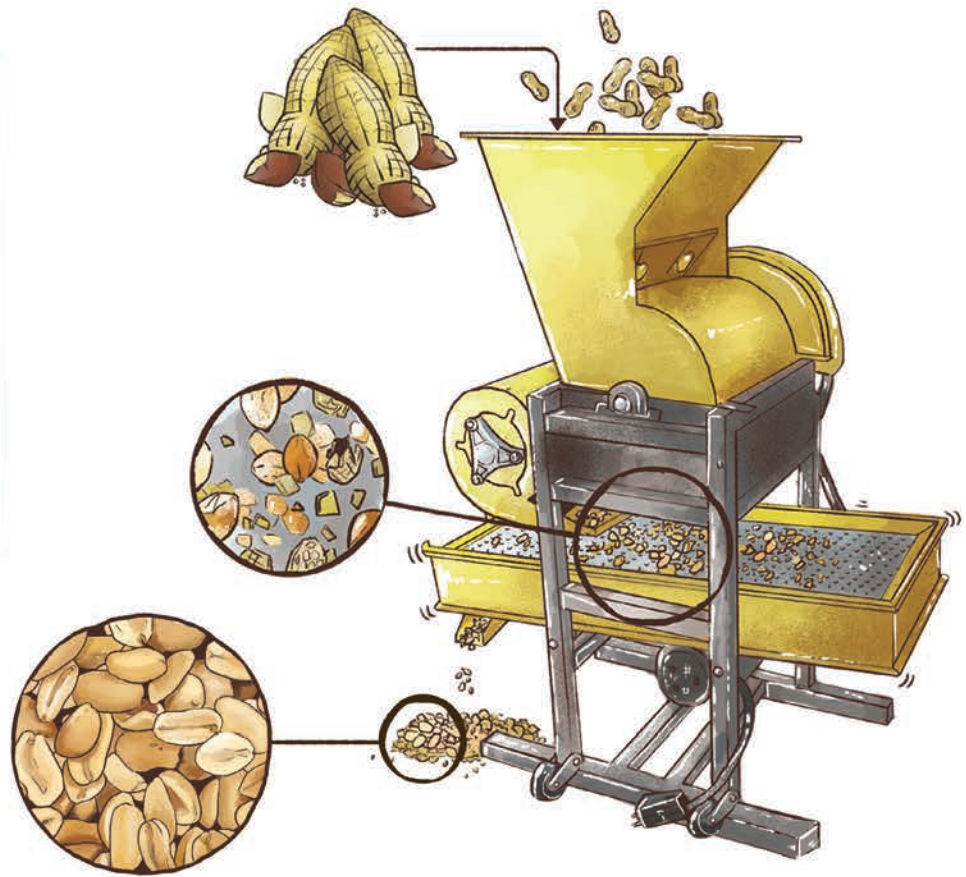
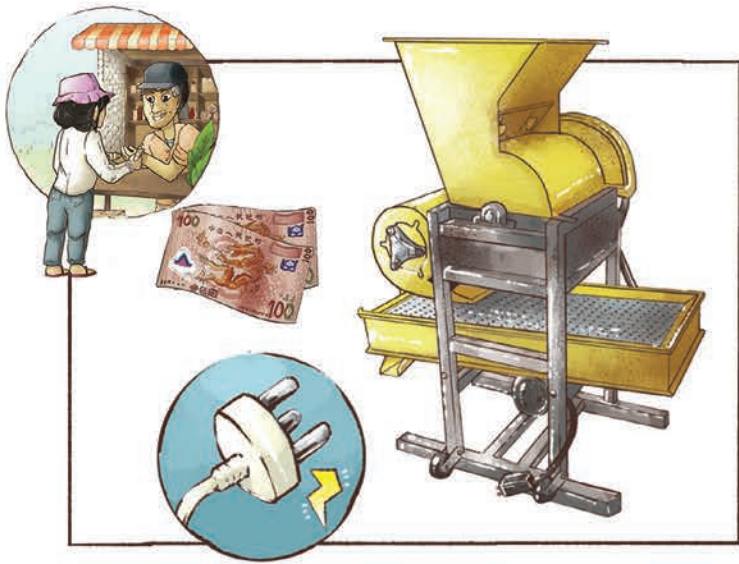


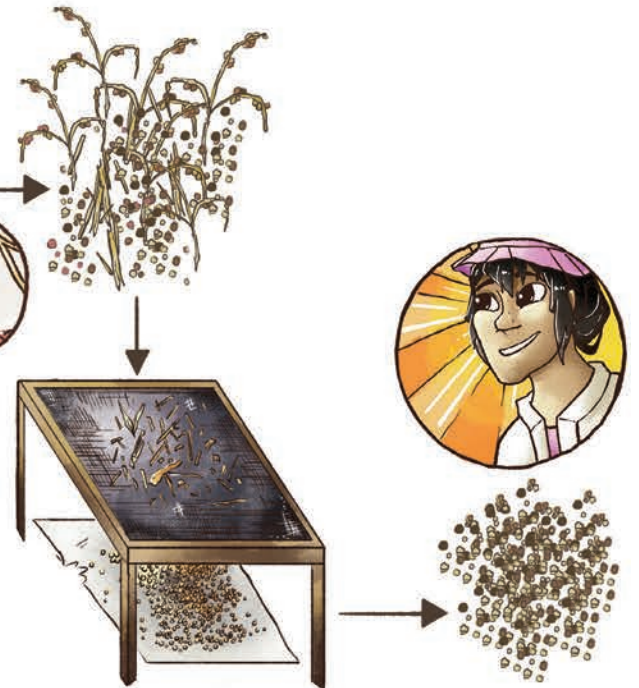


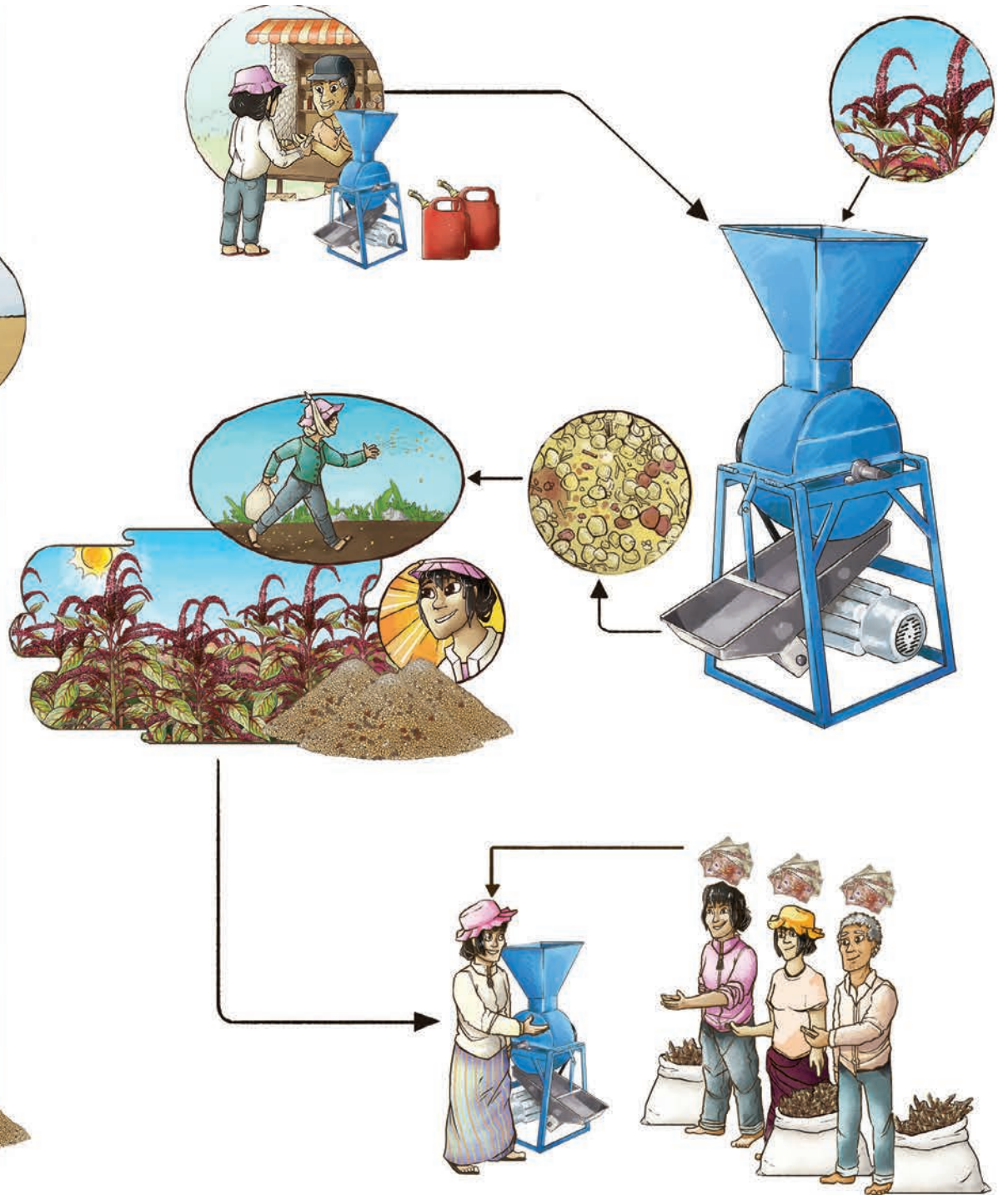
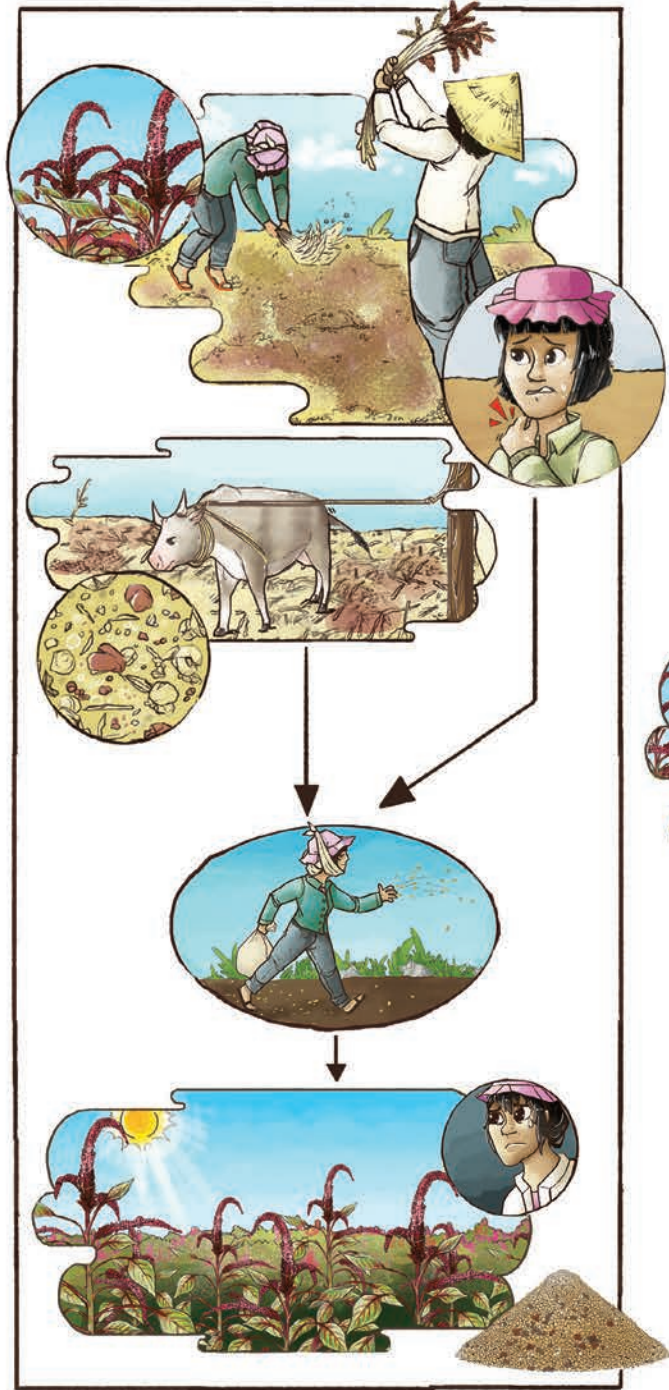


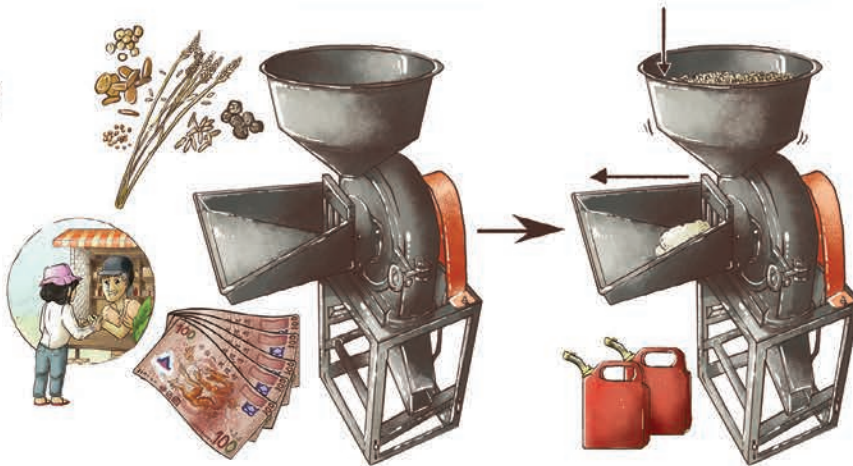
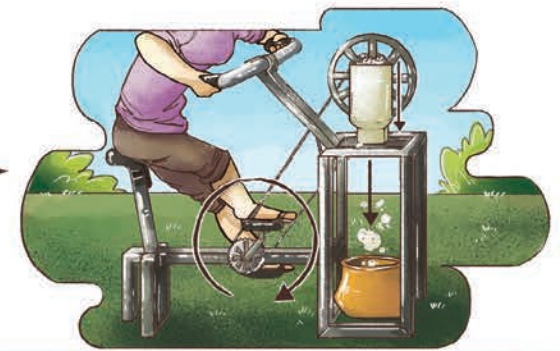
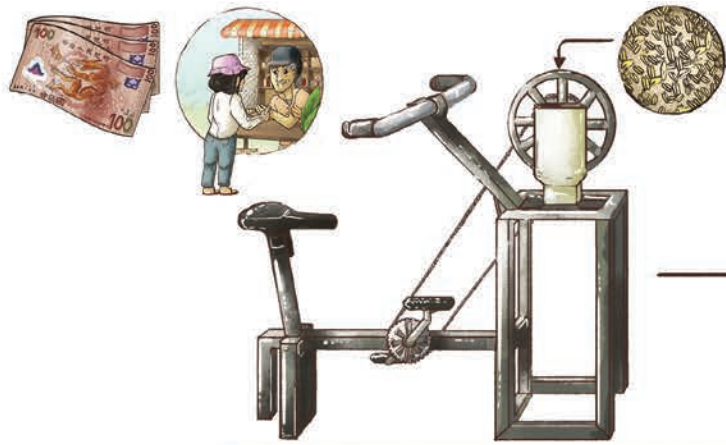
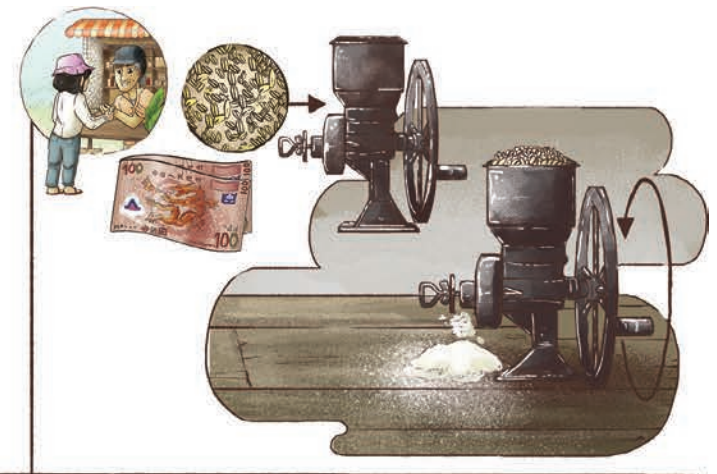
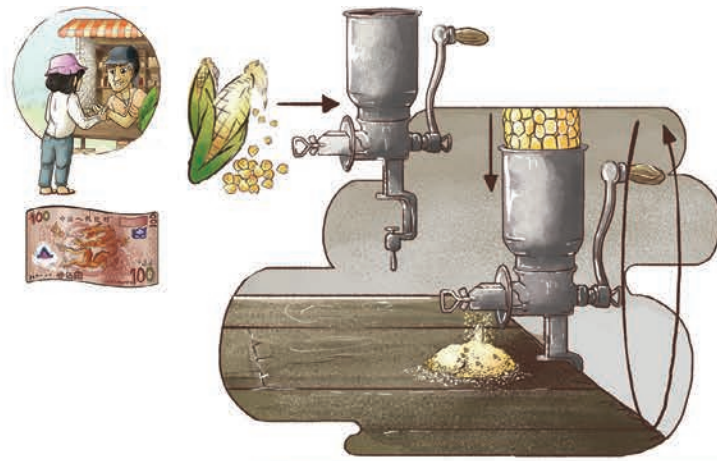


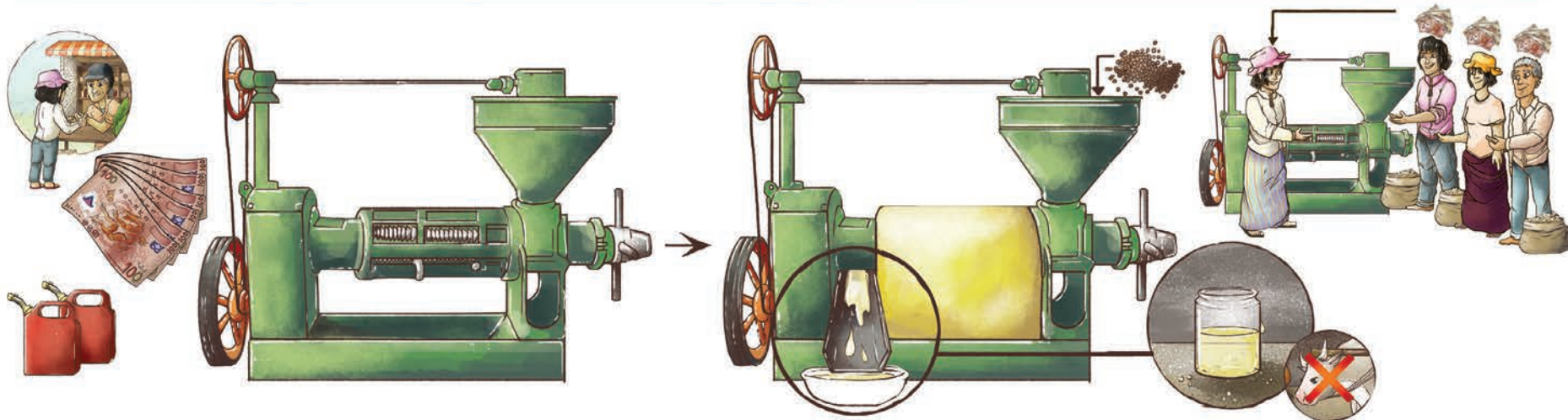
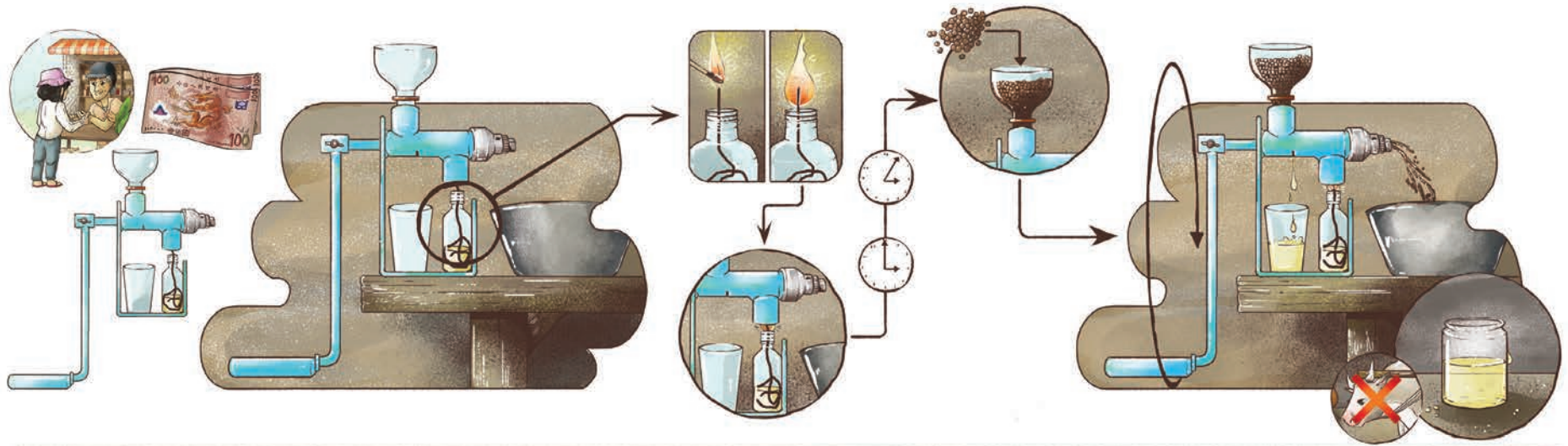
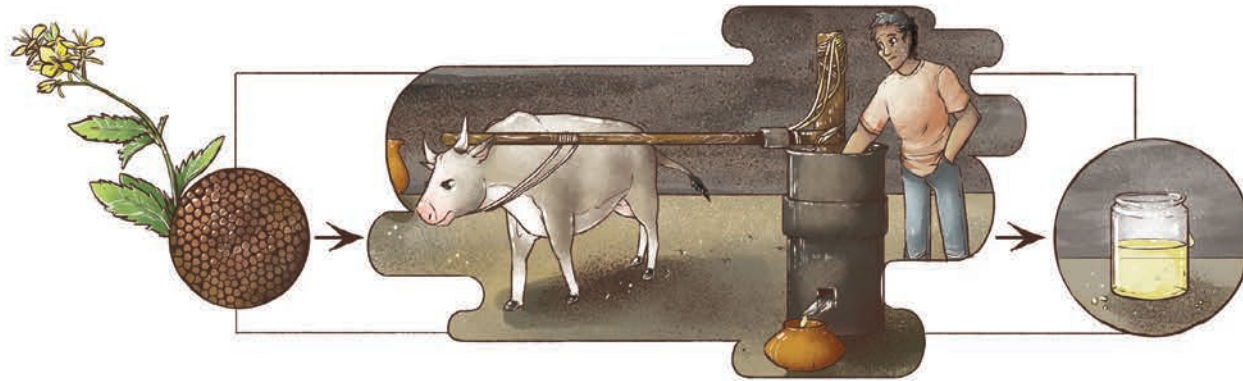


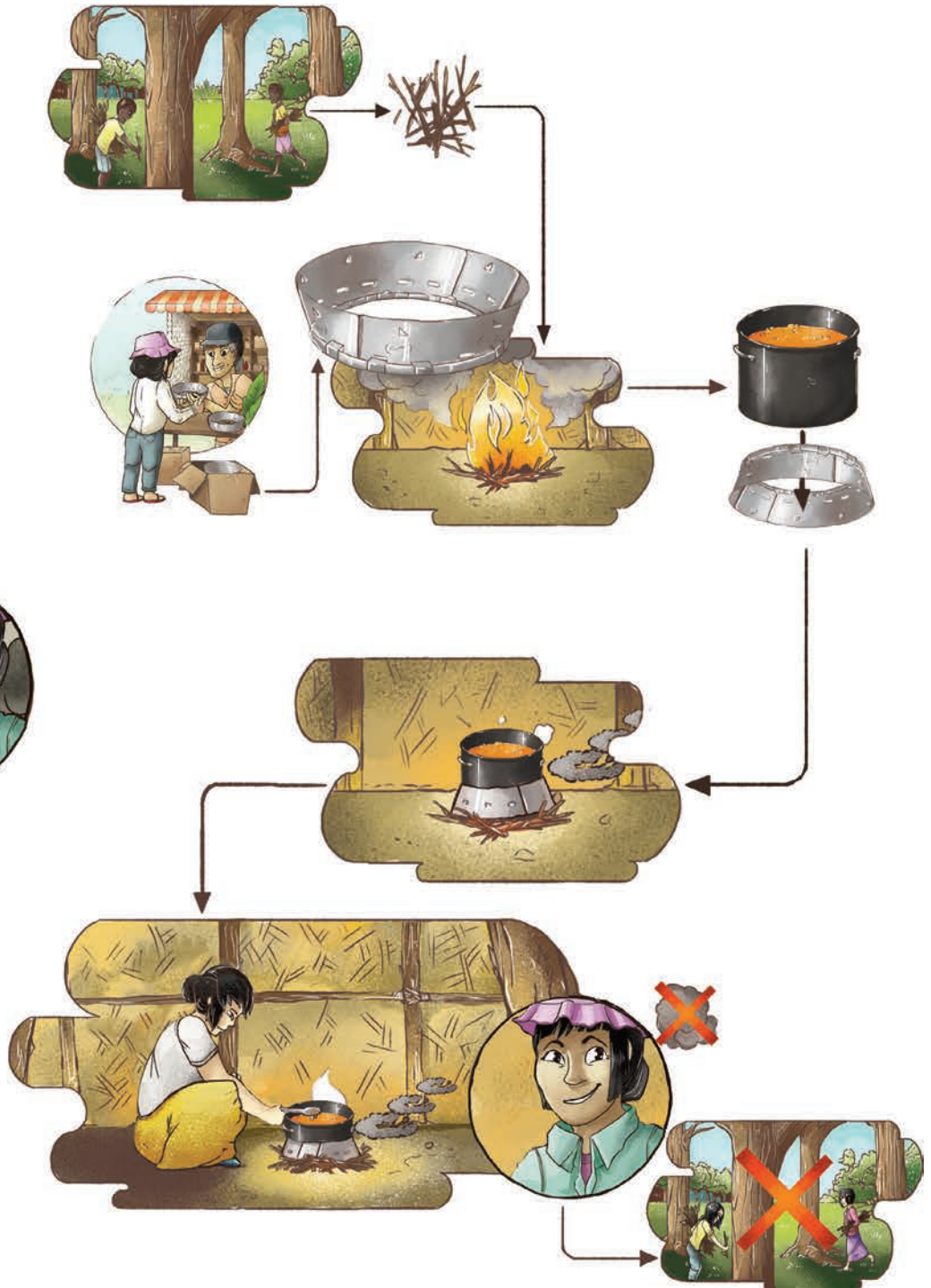
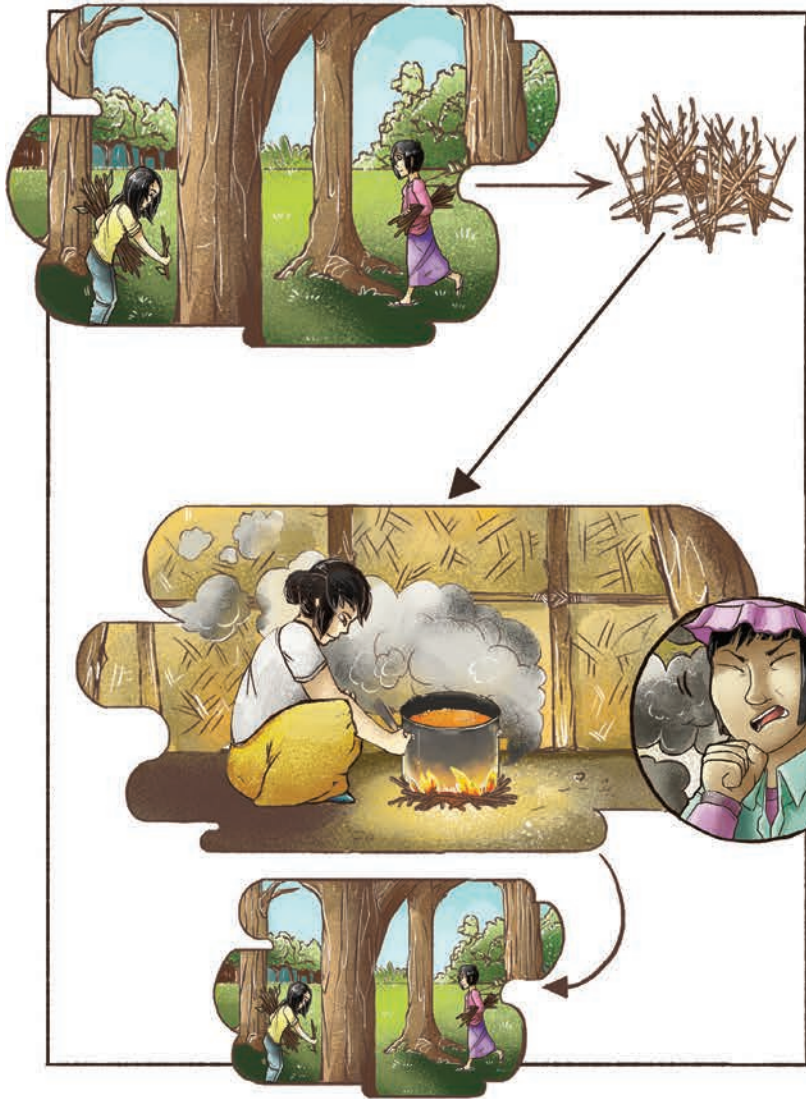


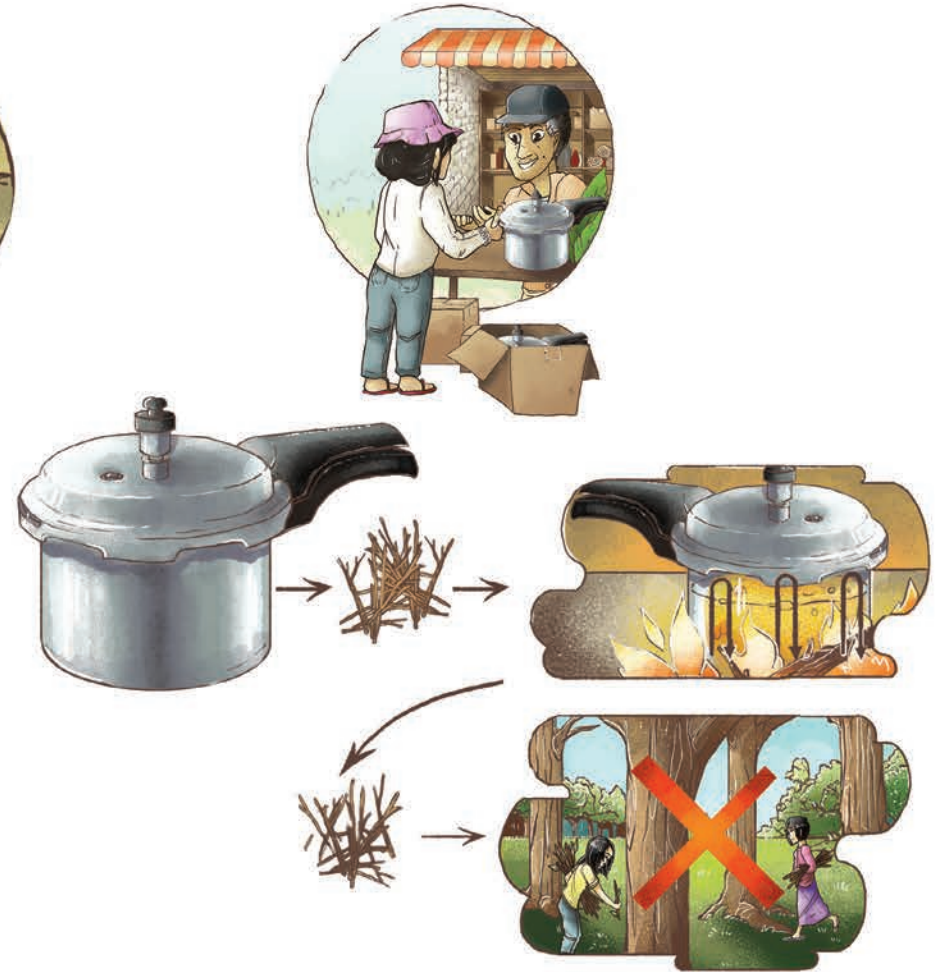
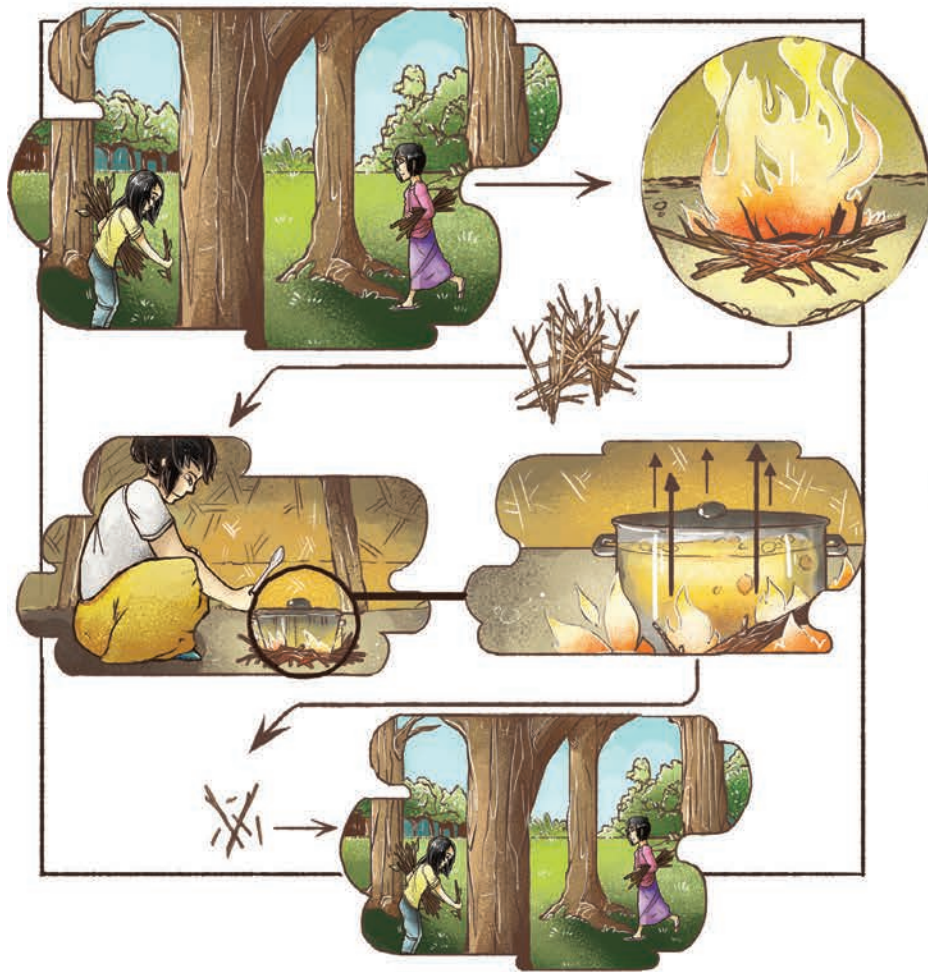


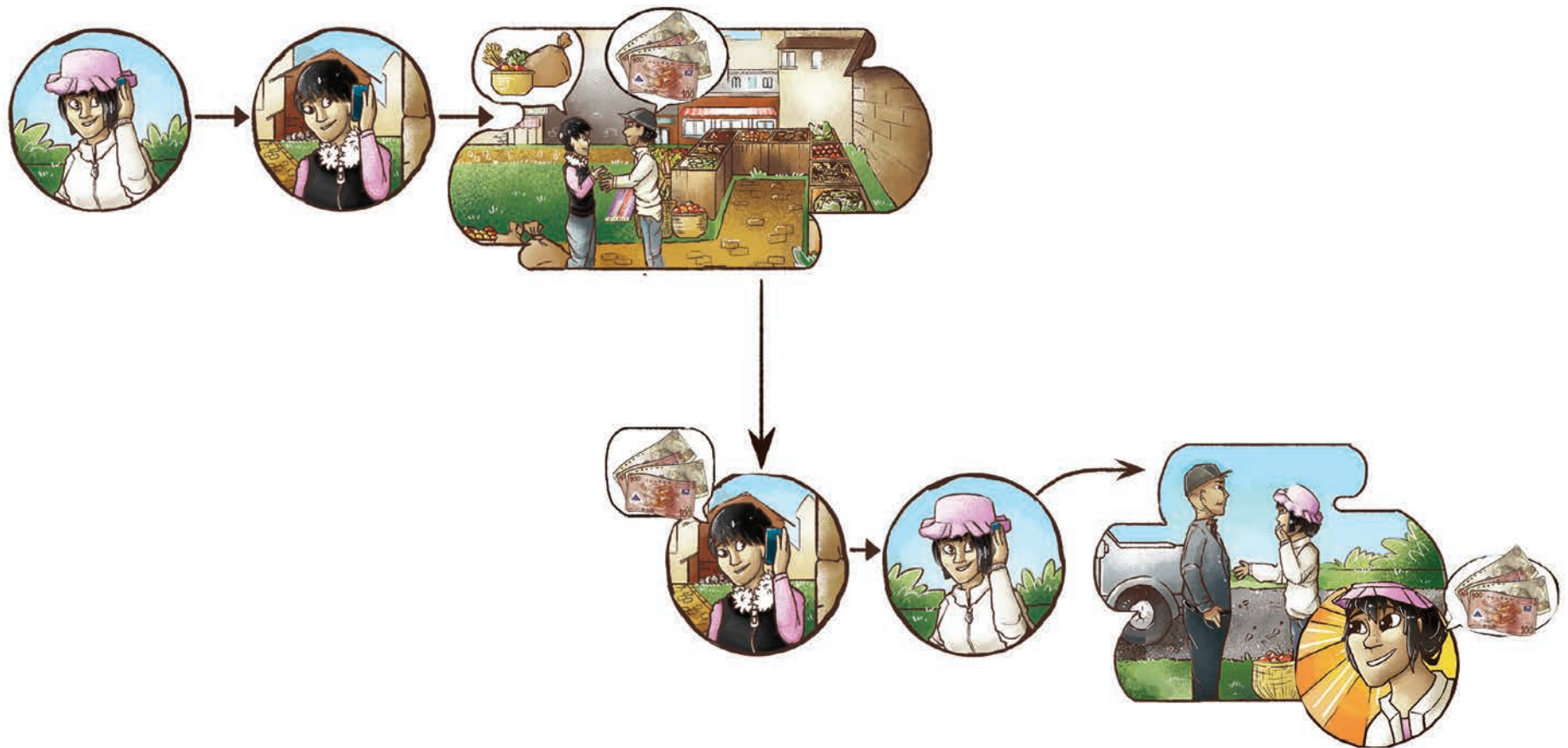
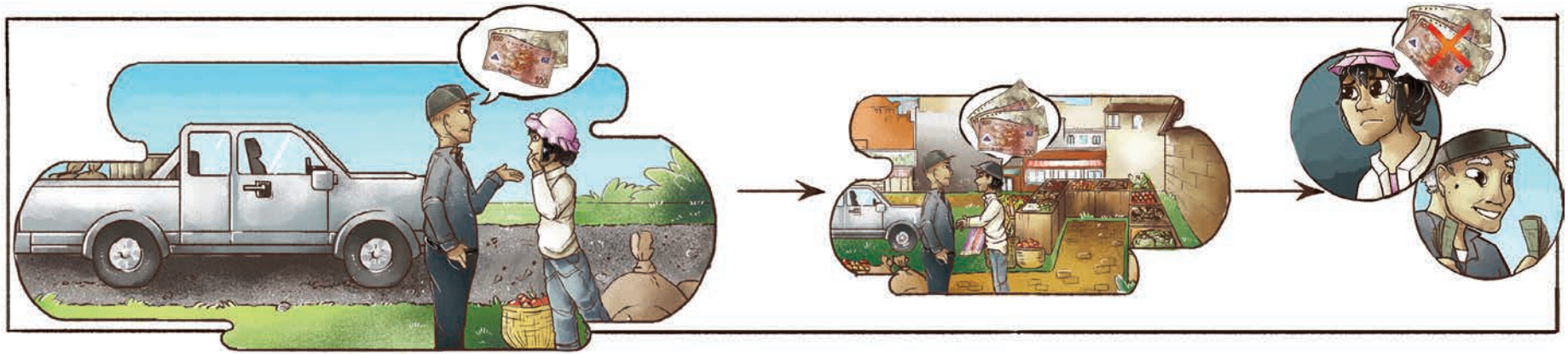


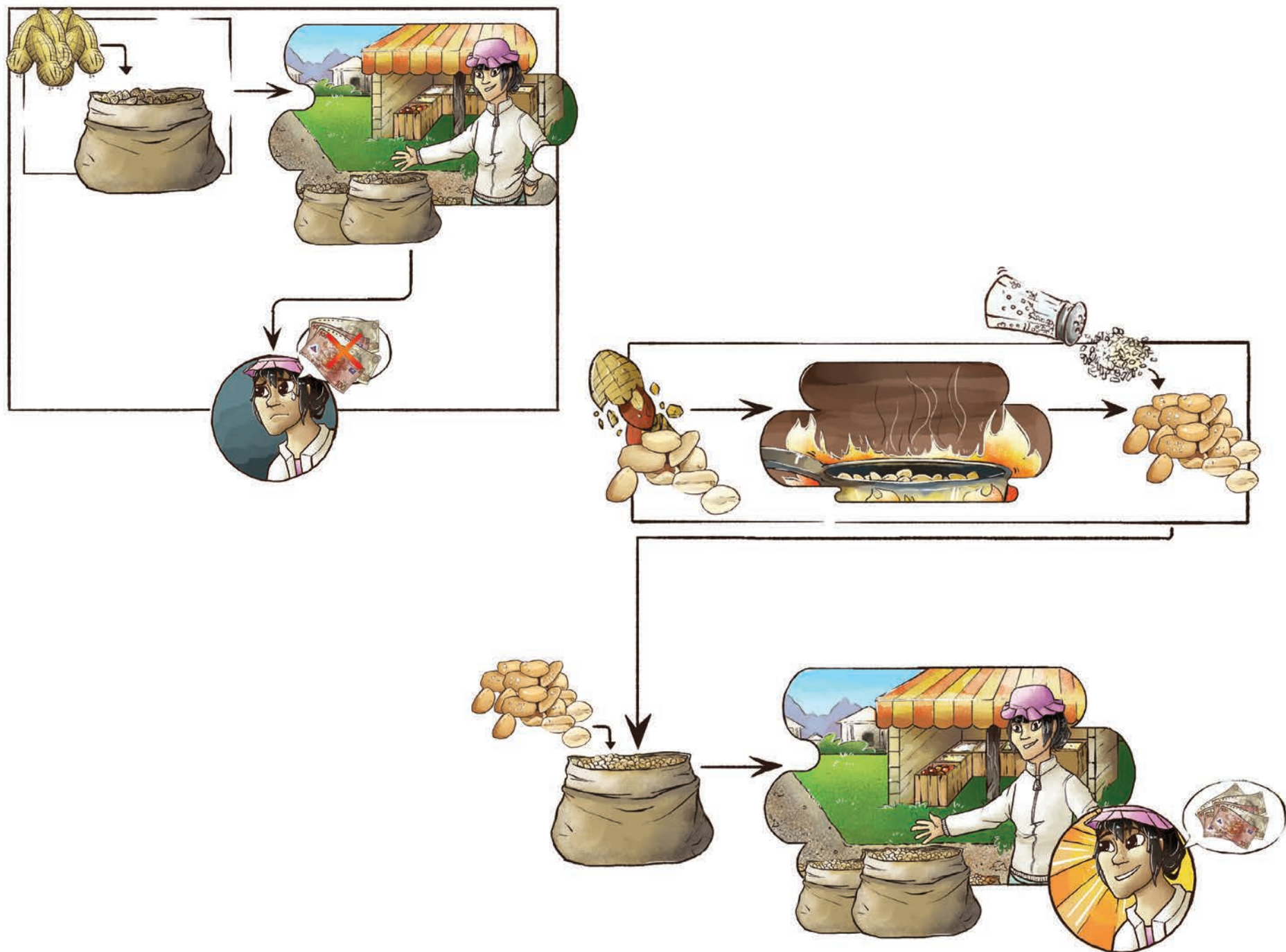


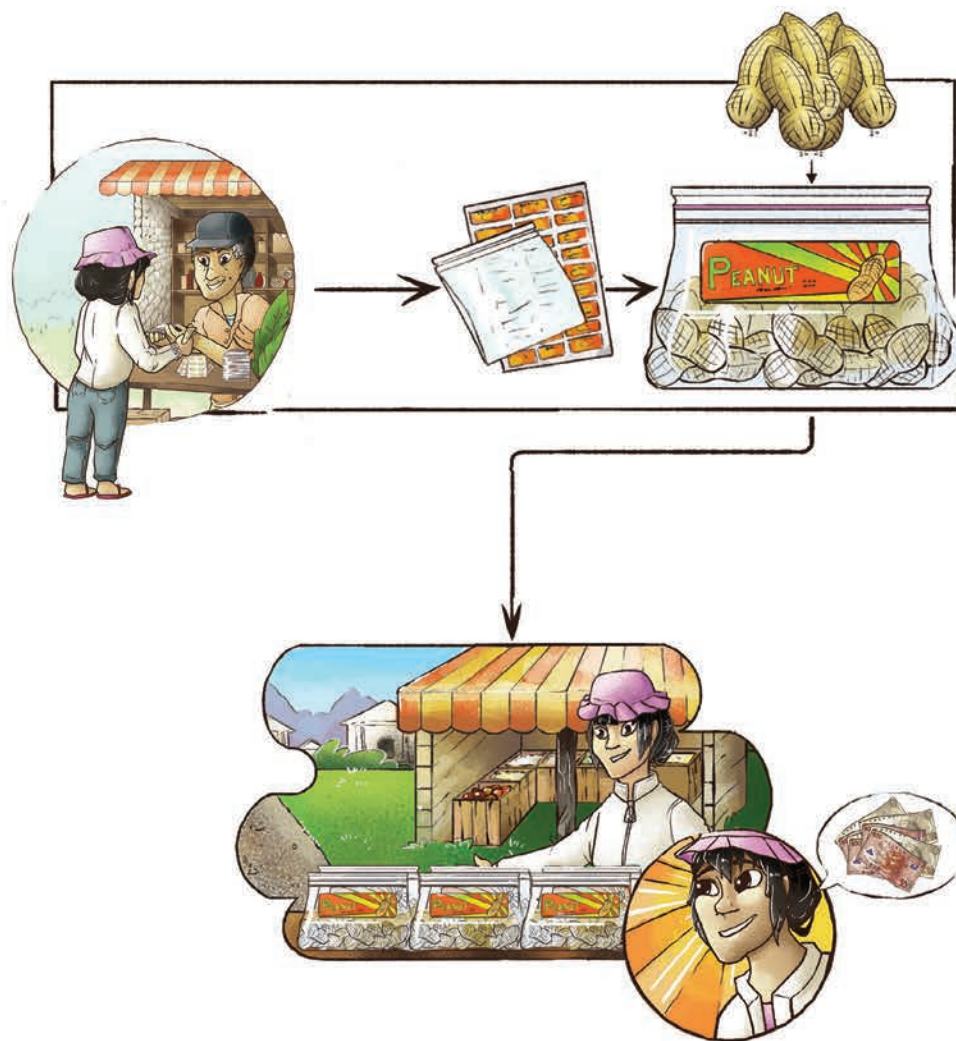
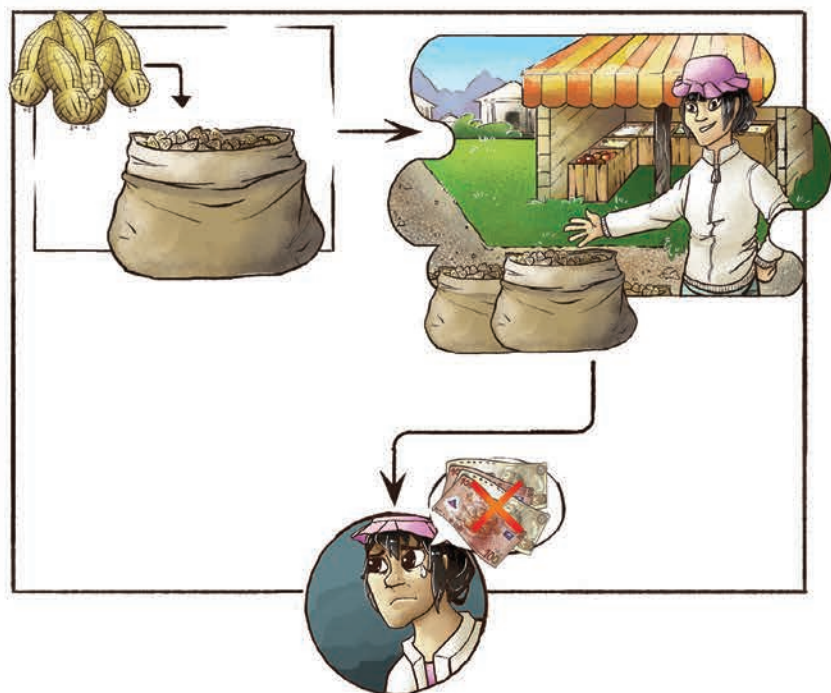




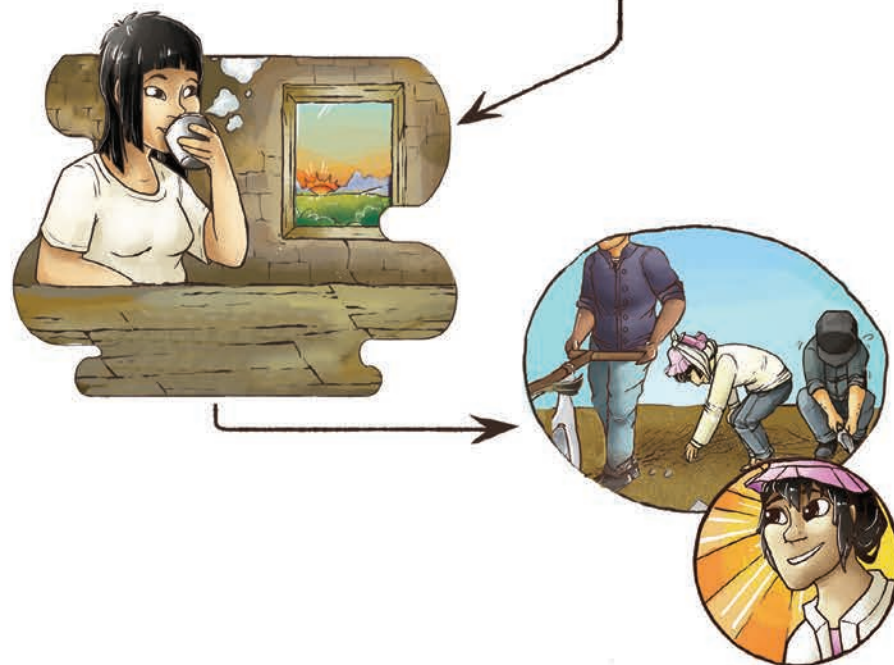
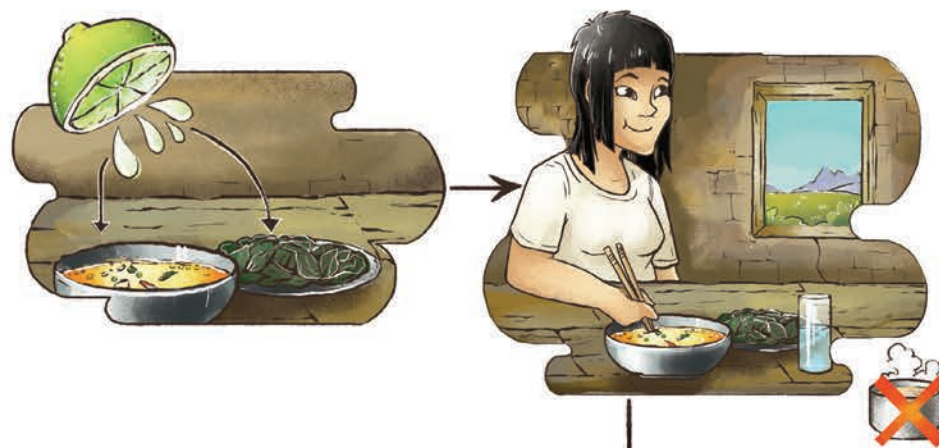
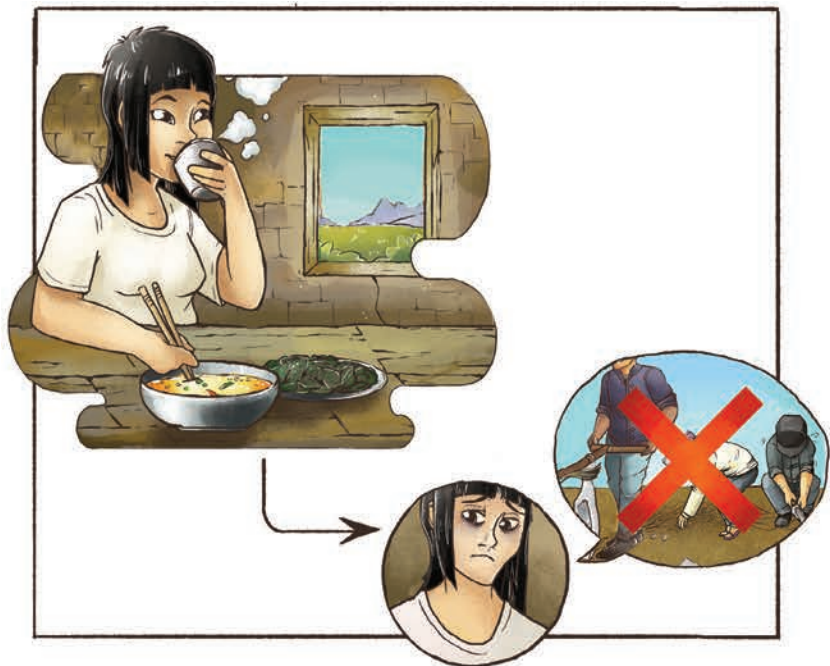


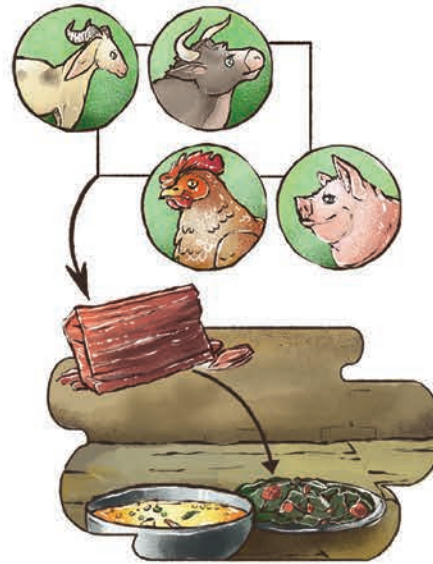
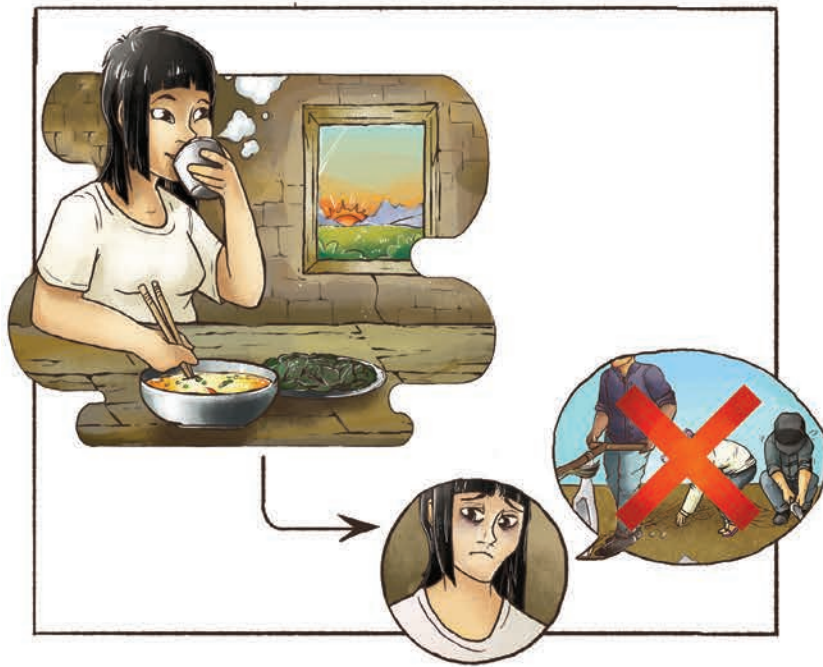


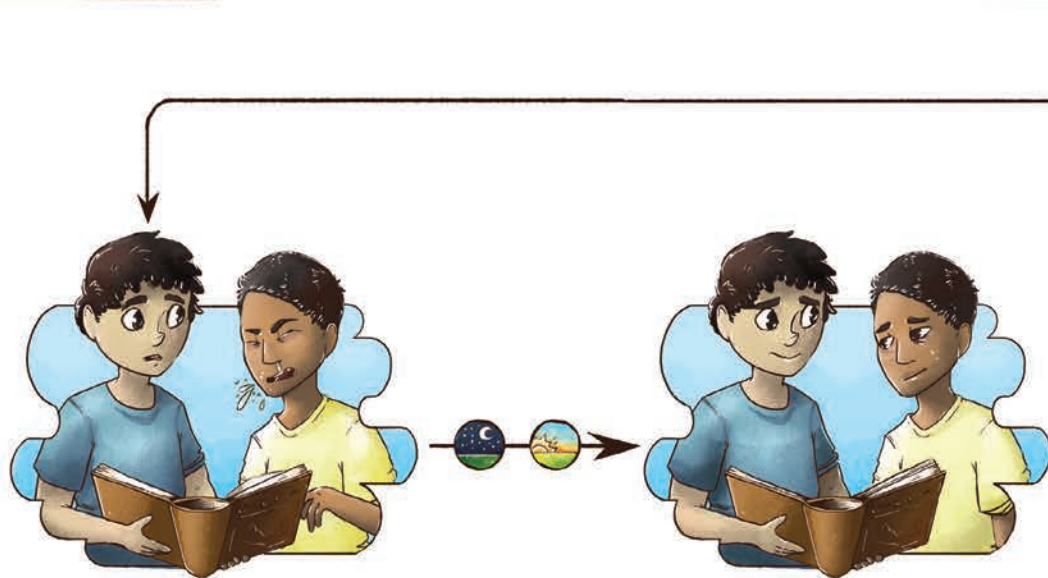
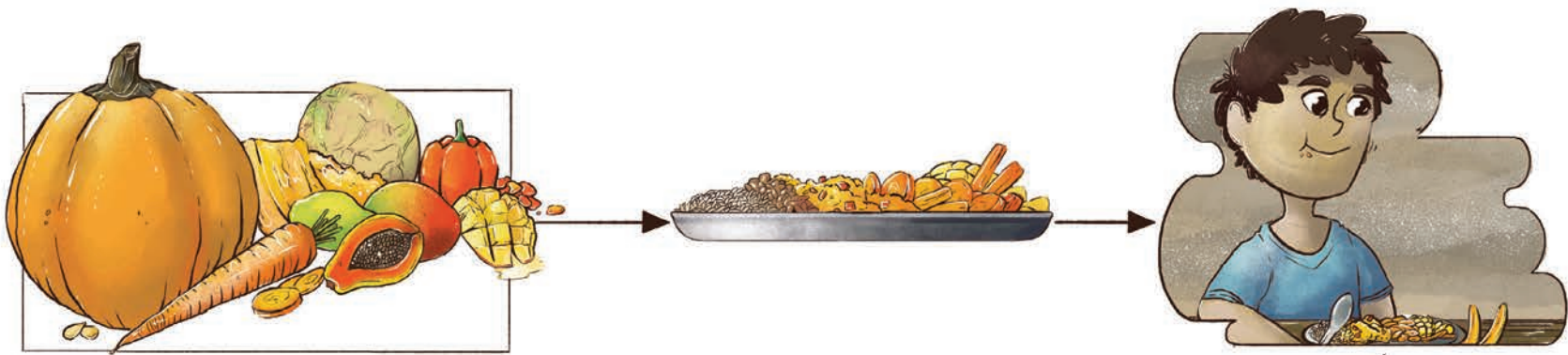


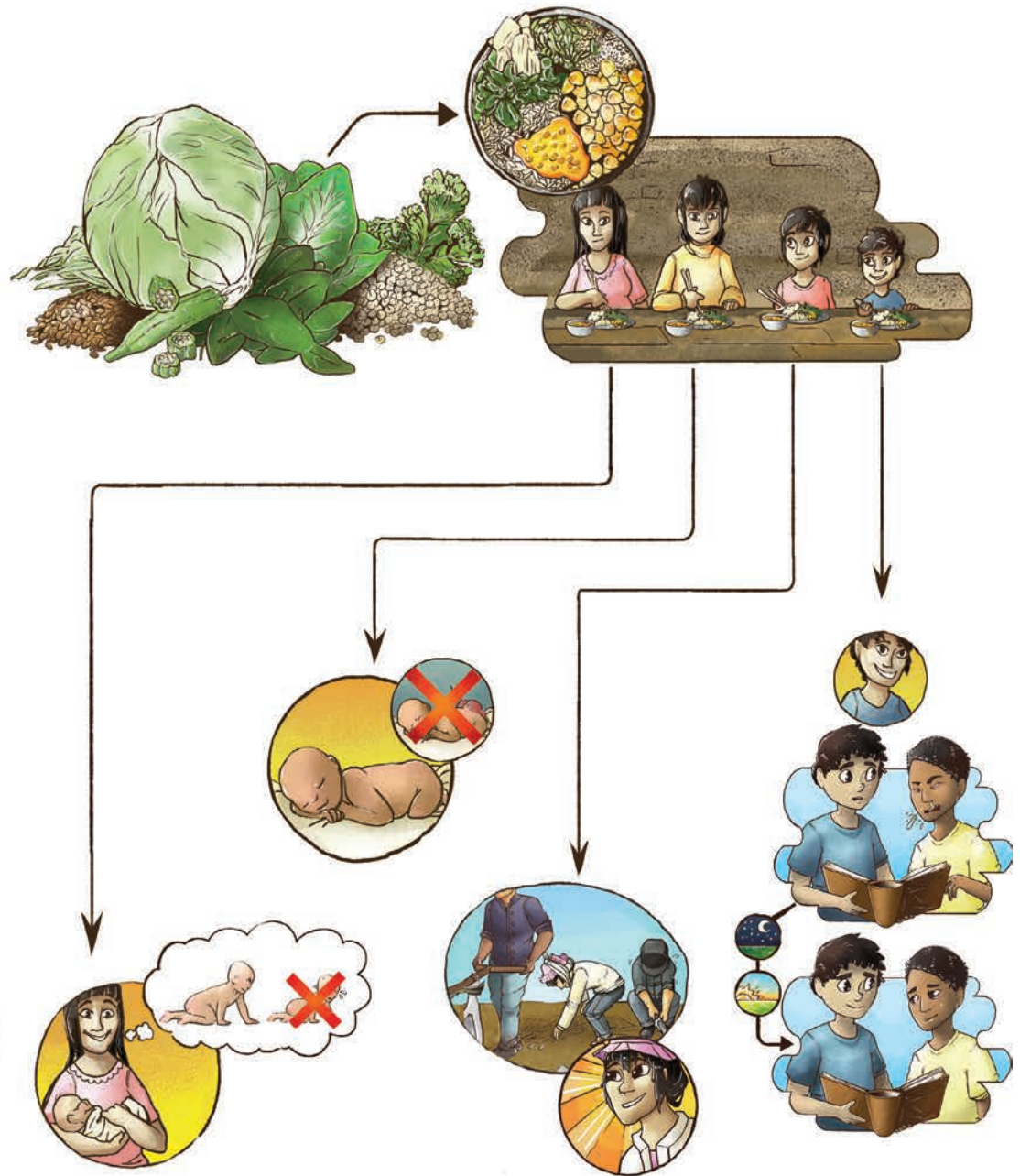
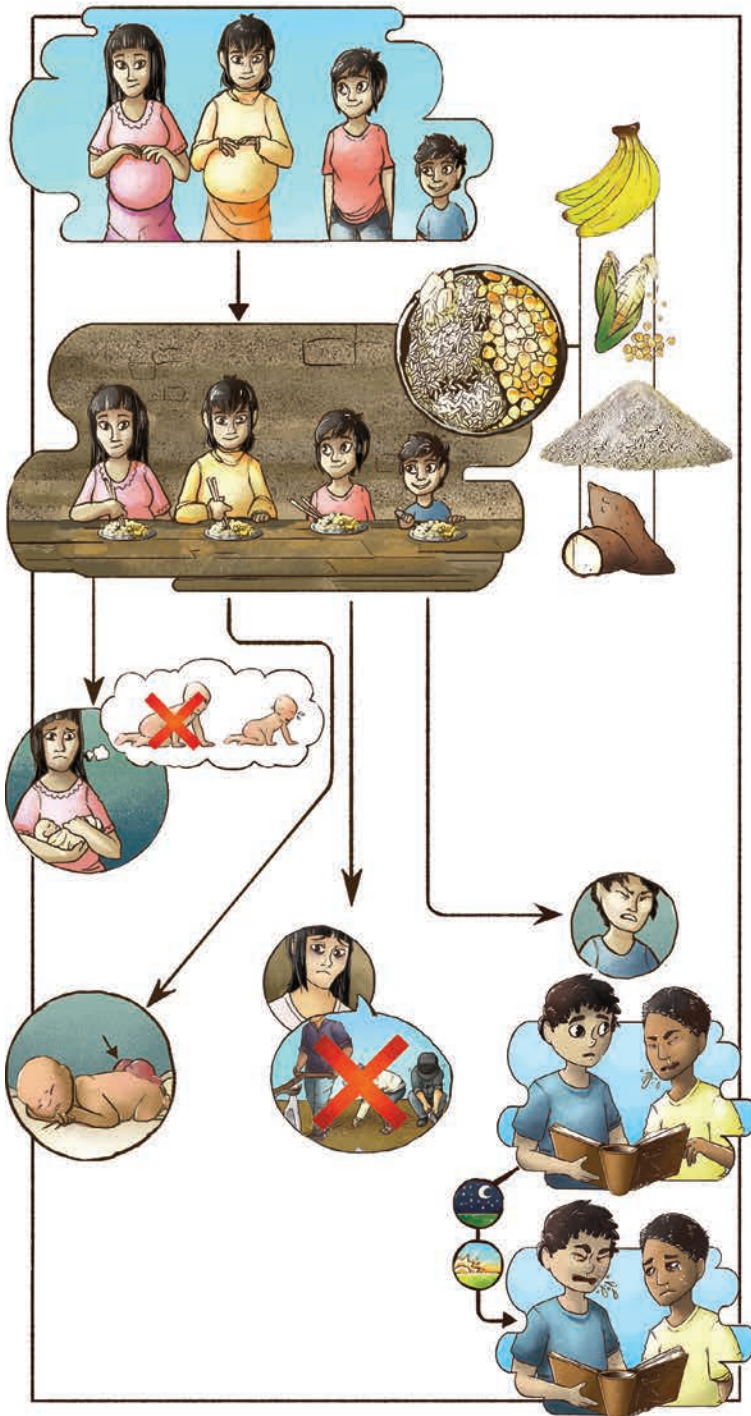


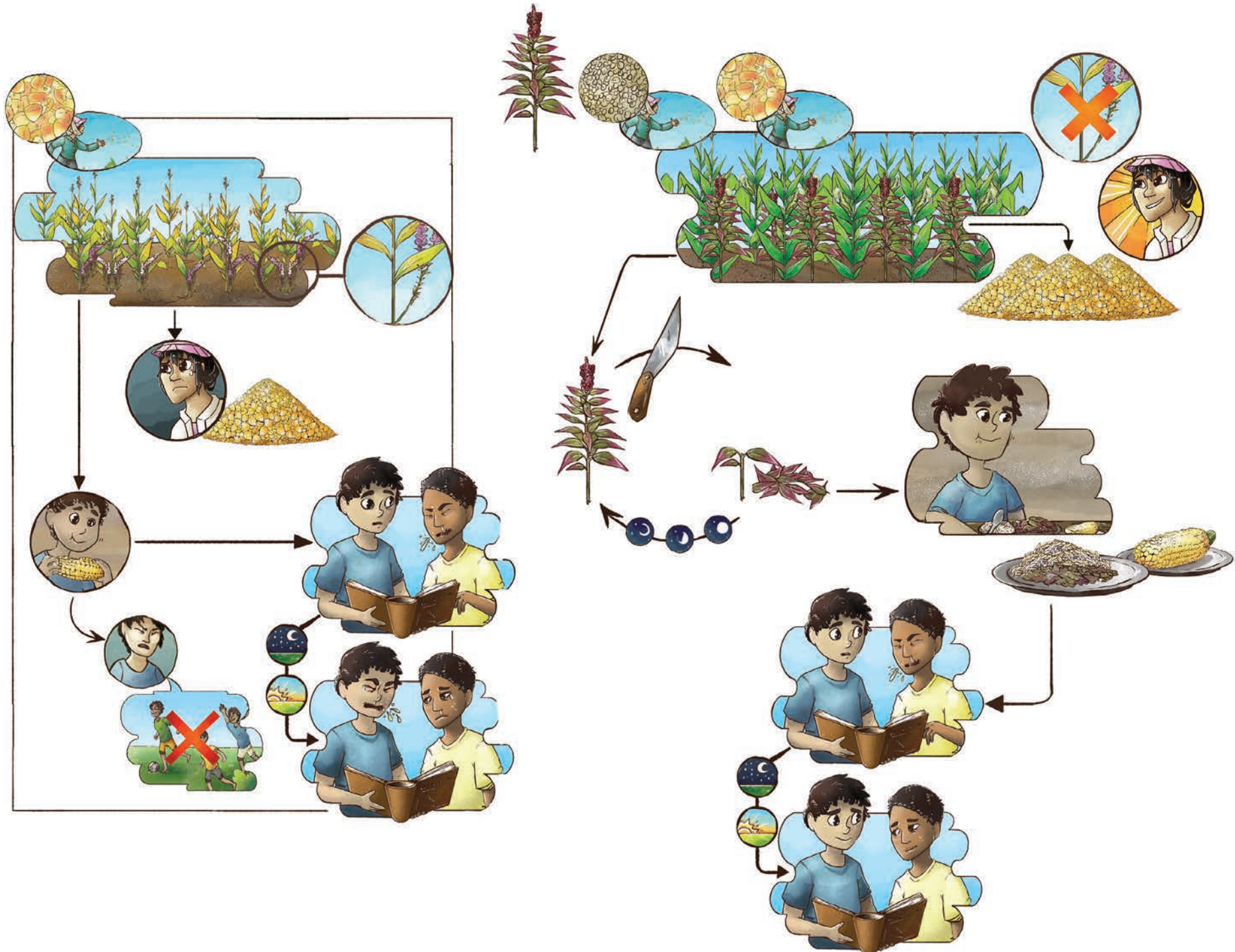
Chapter 10: Human Nutrition

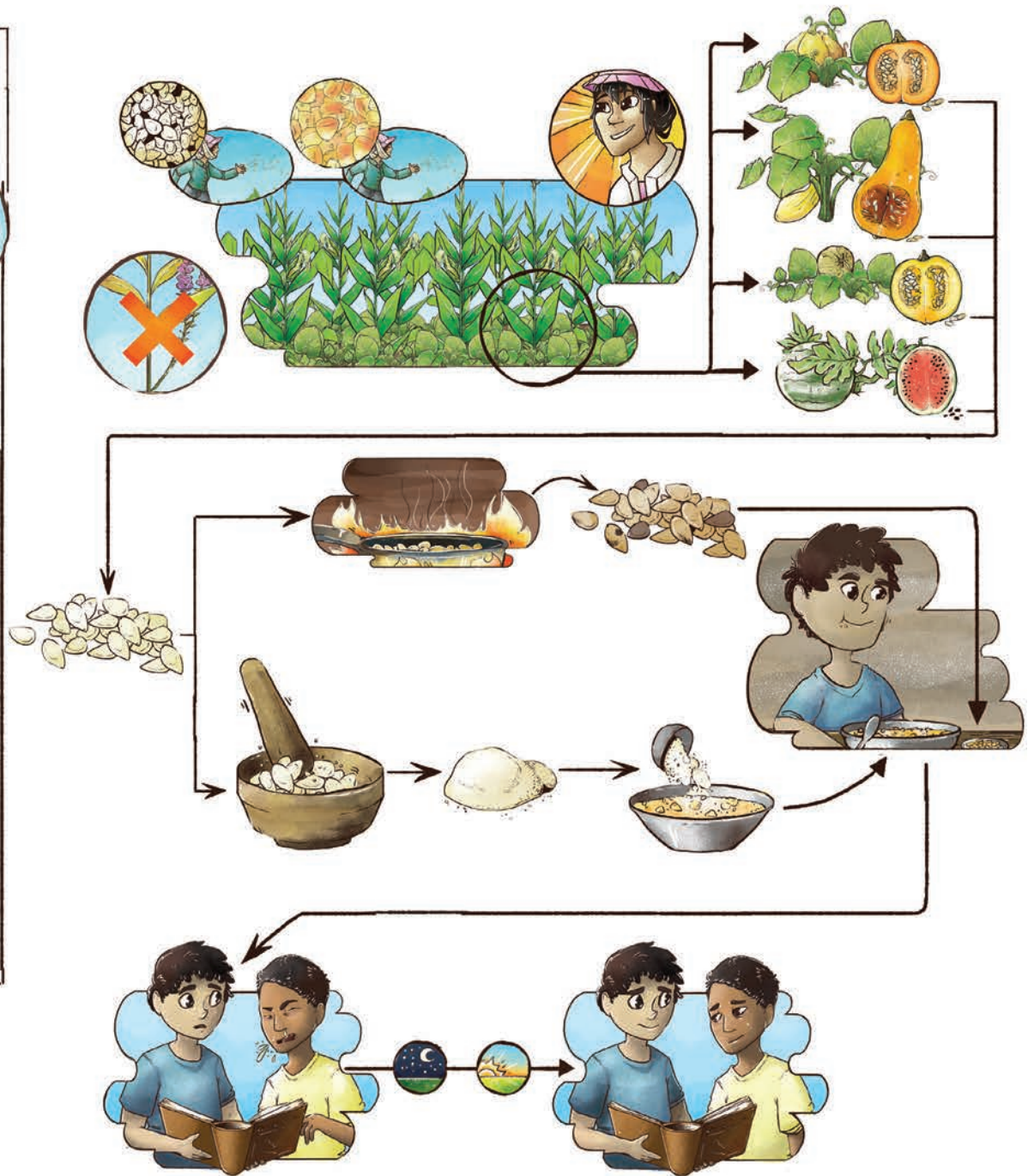
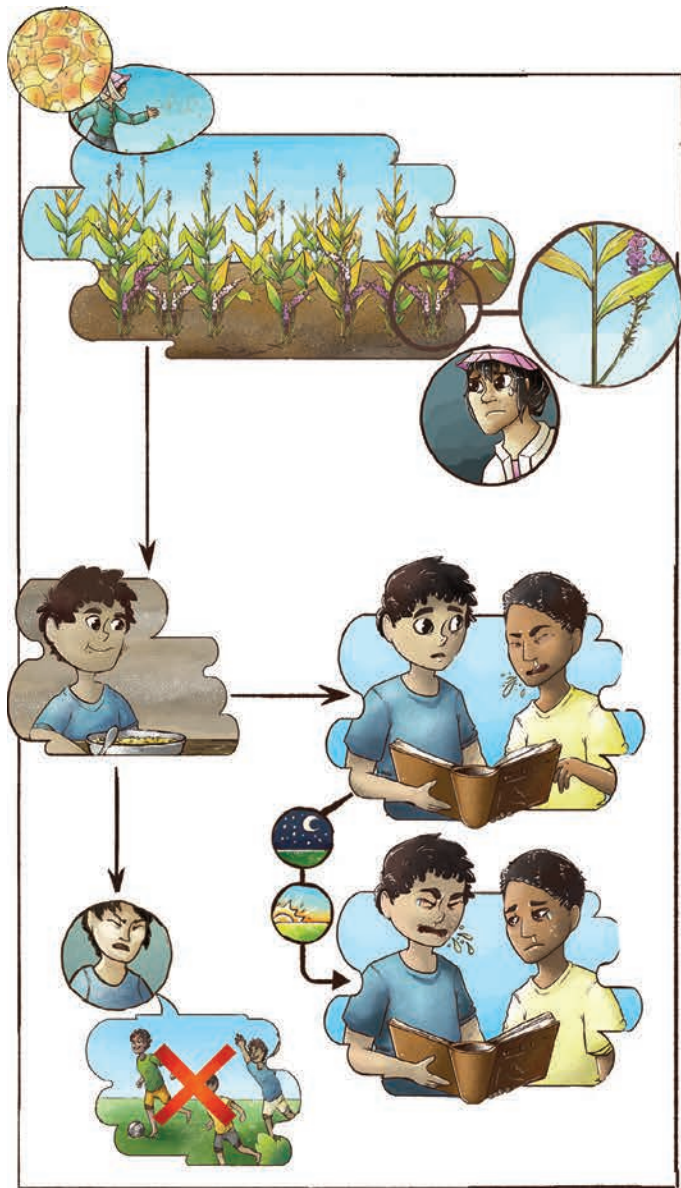


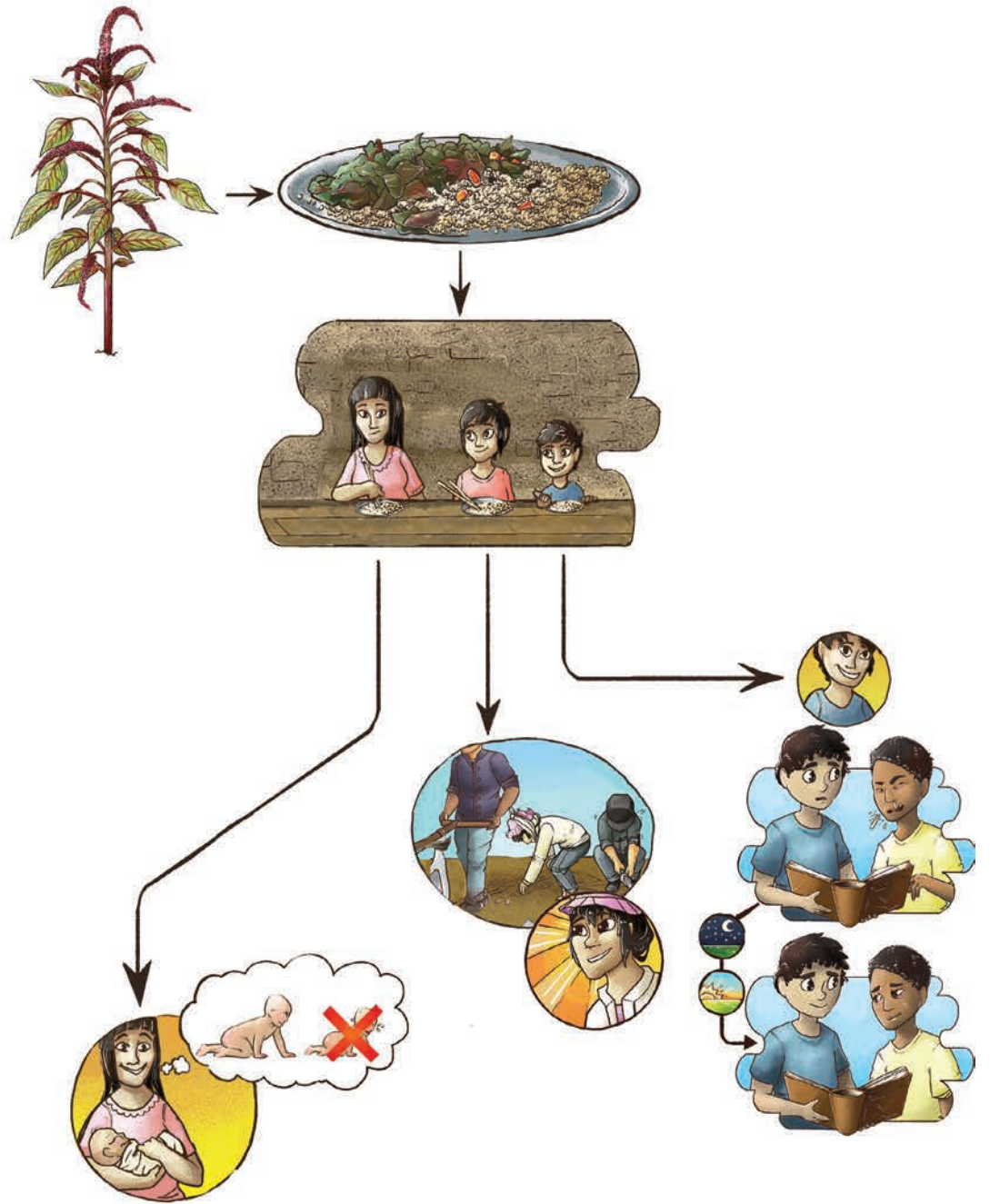
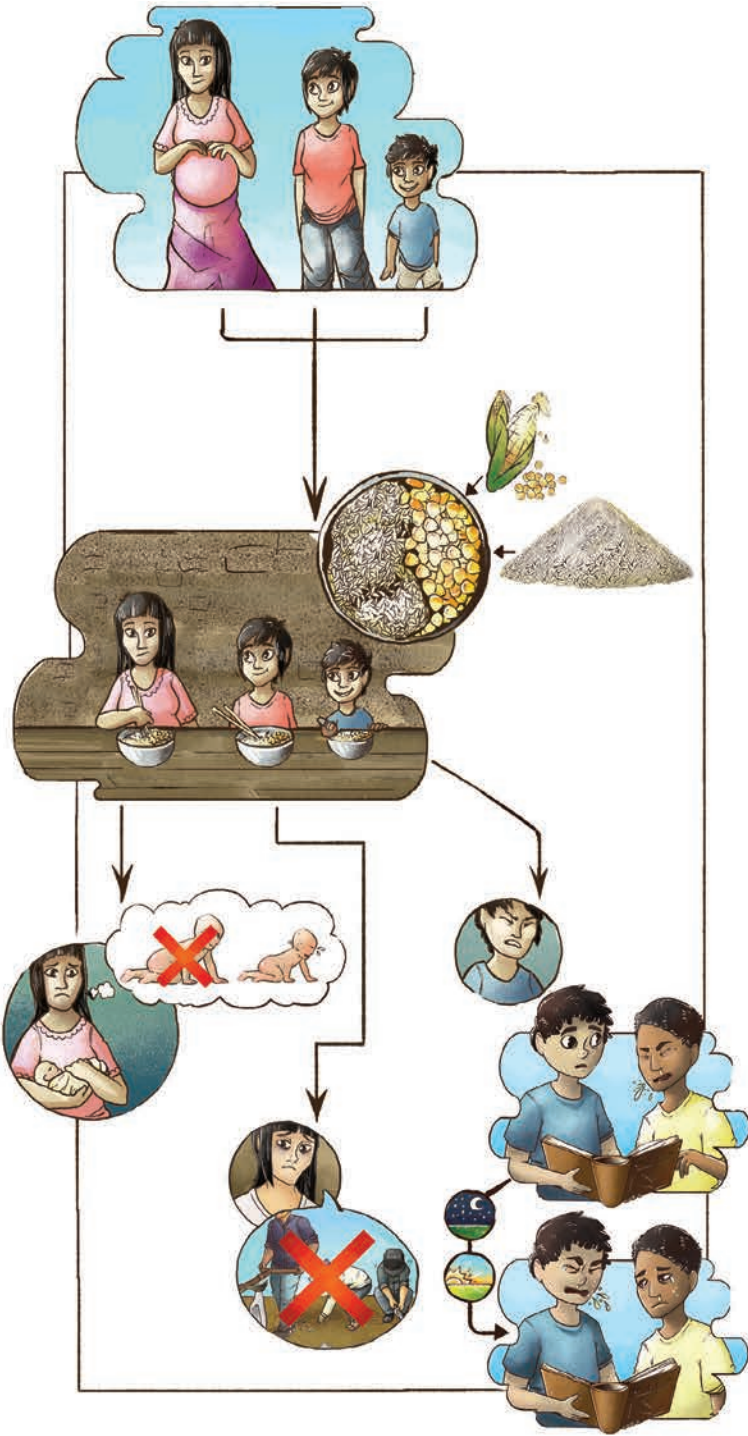


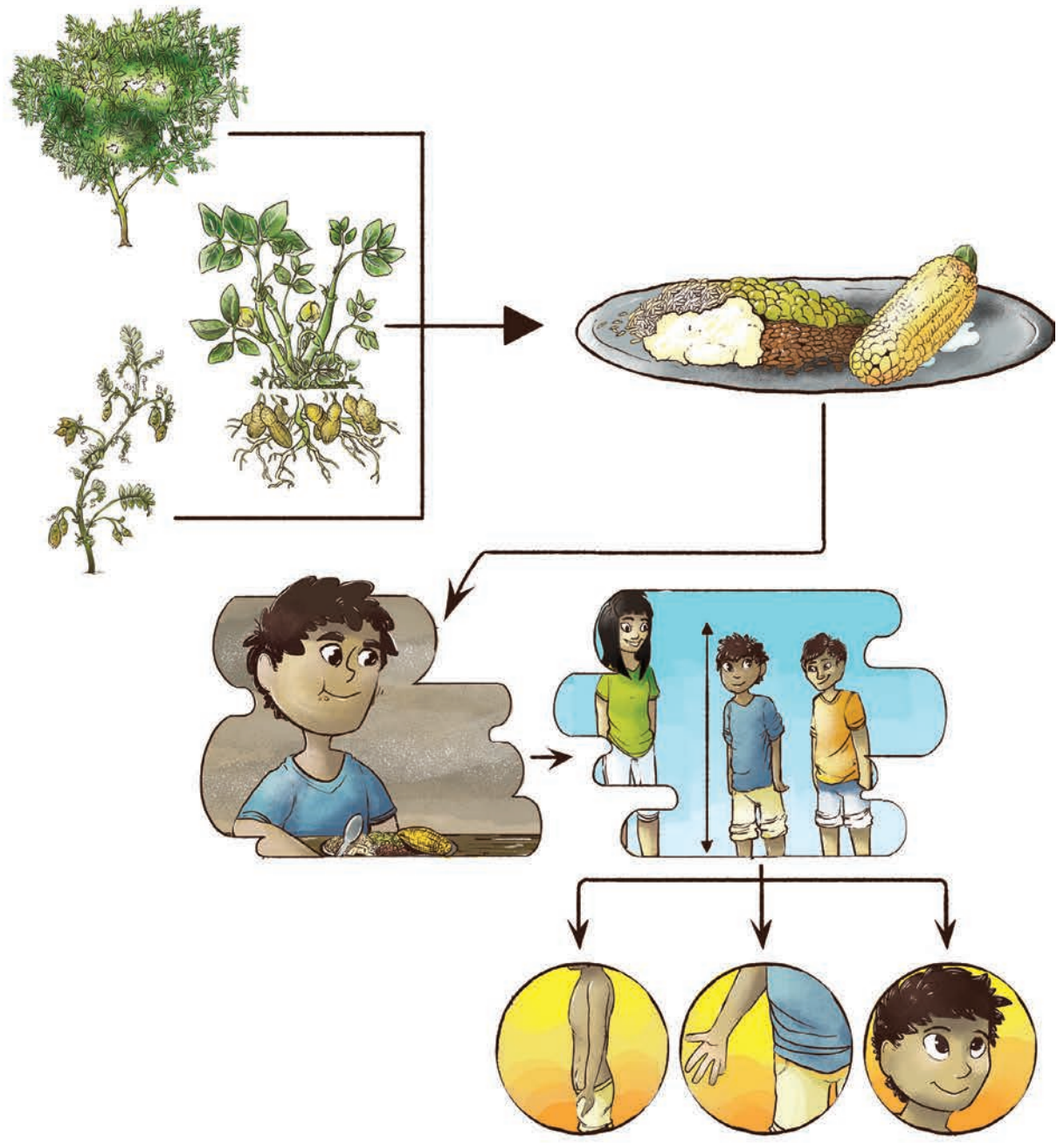
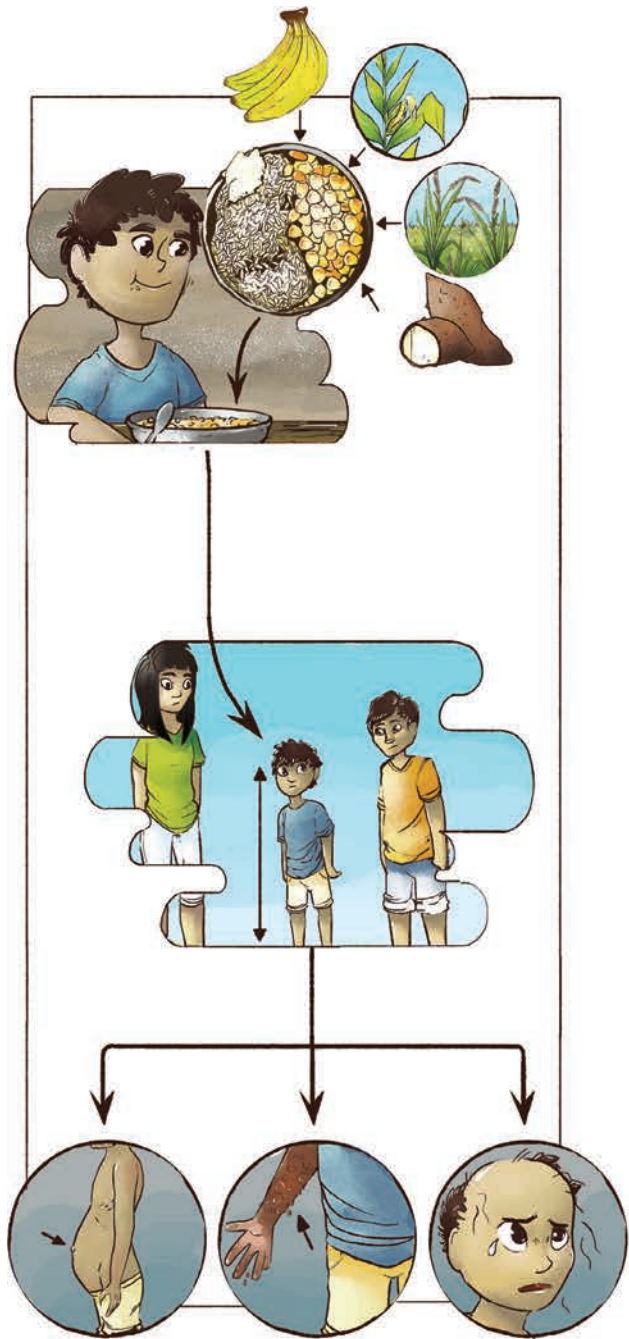


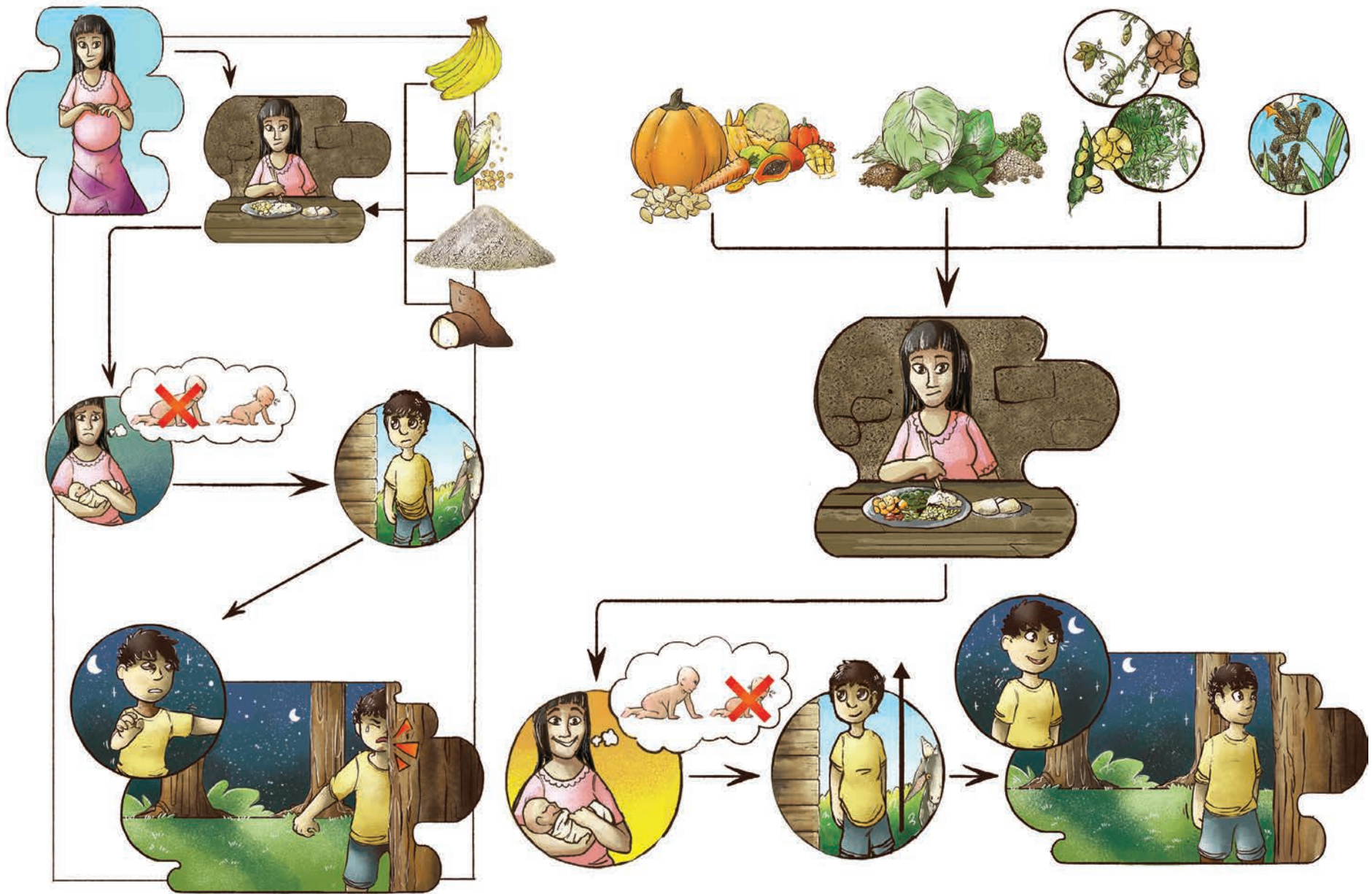




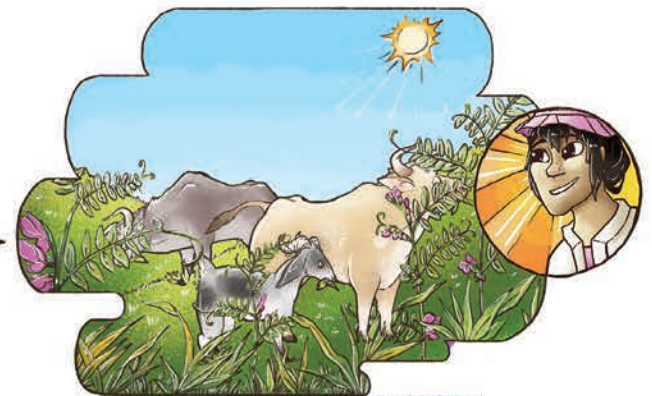
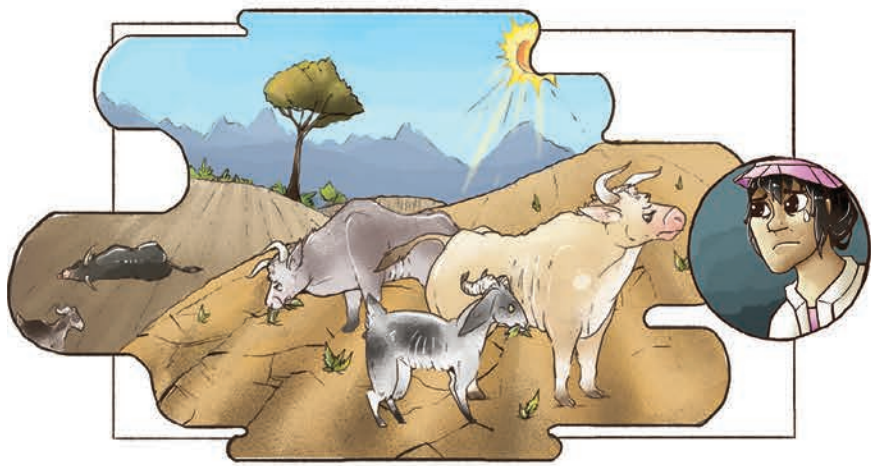


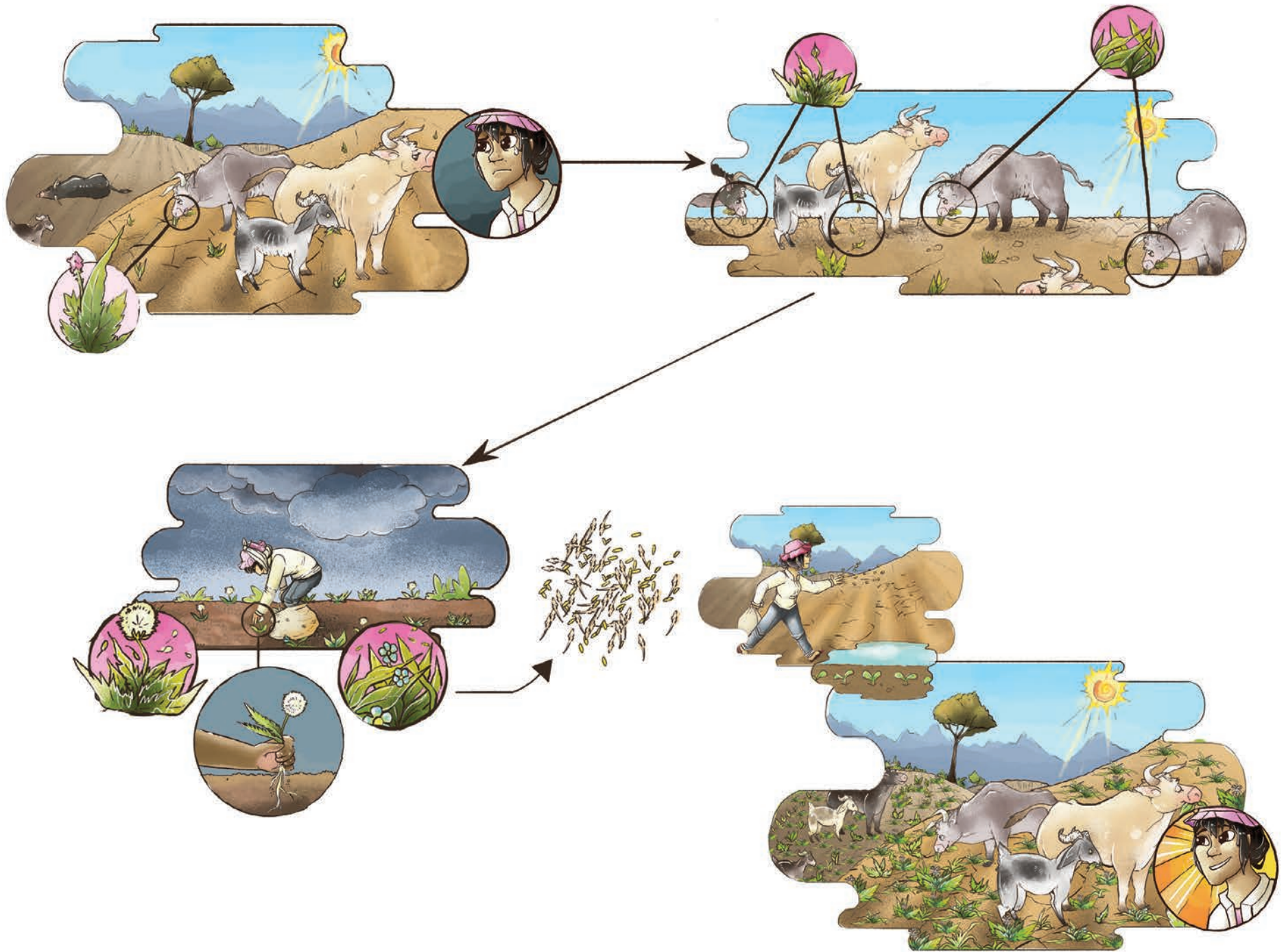


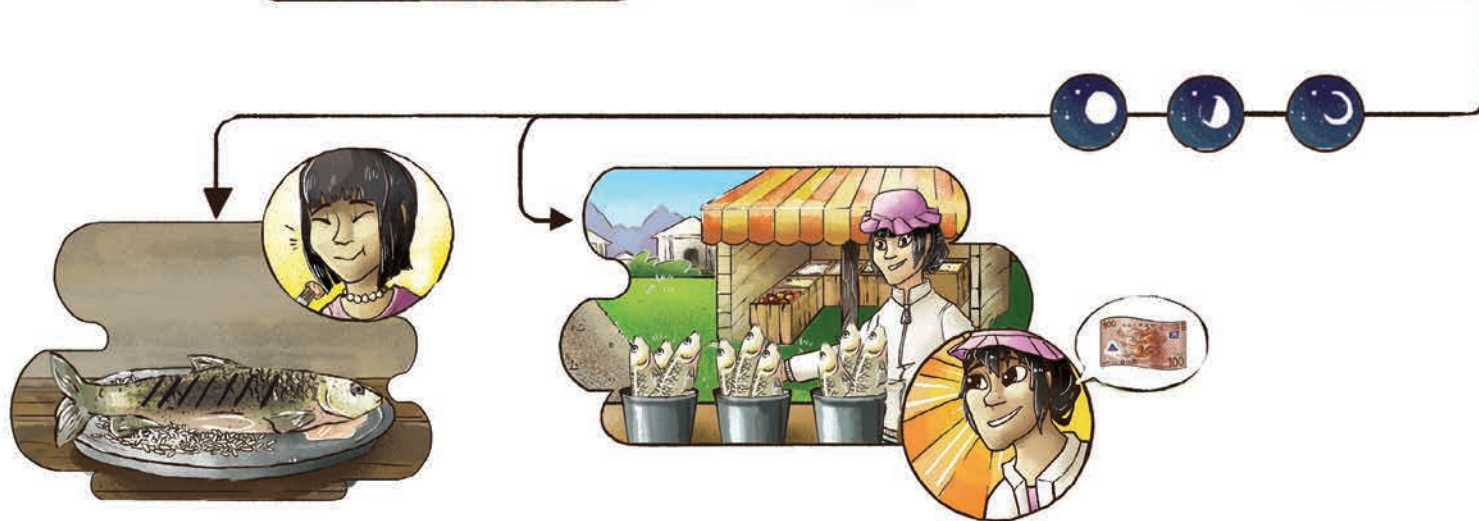
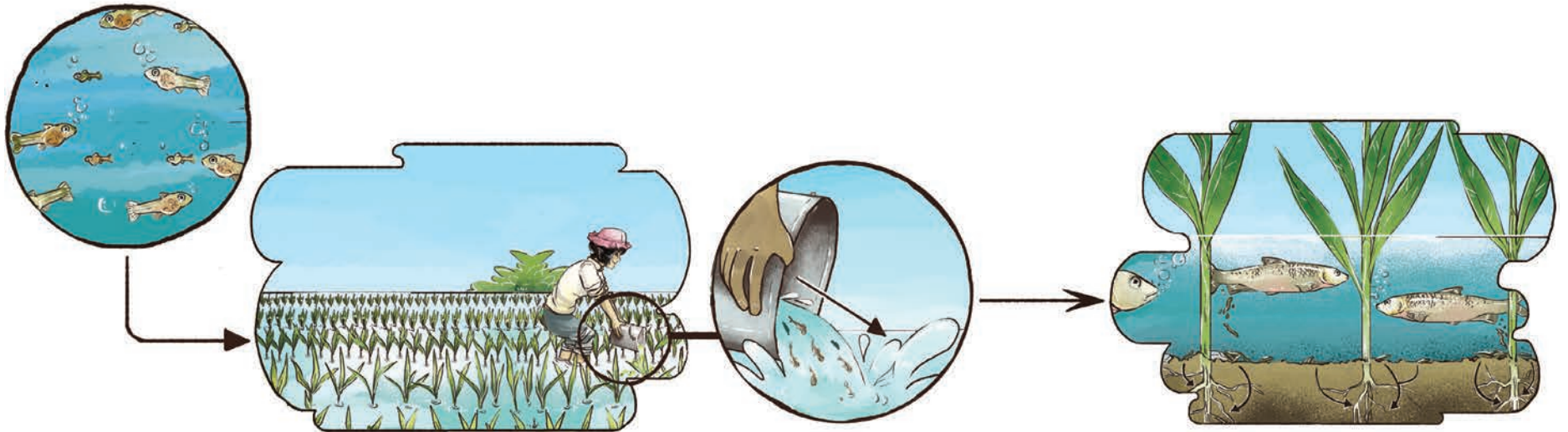
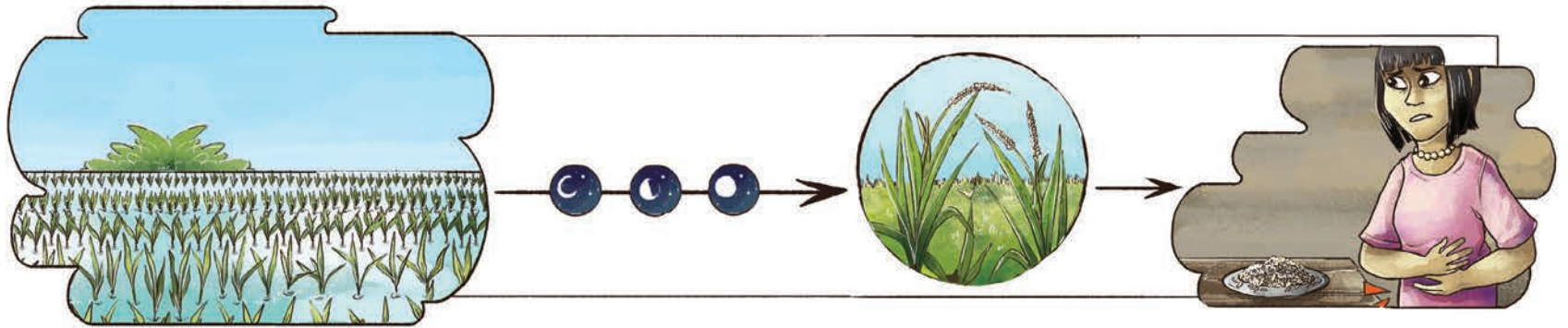




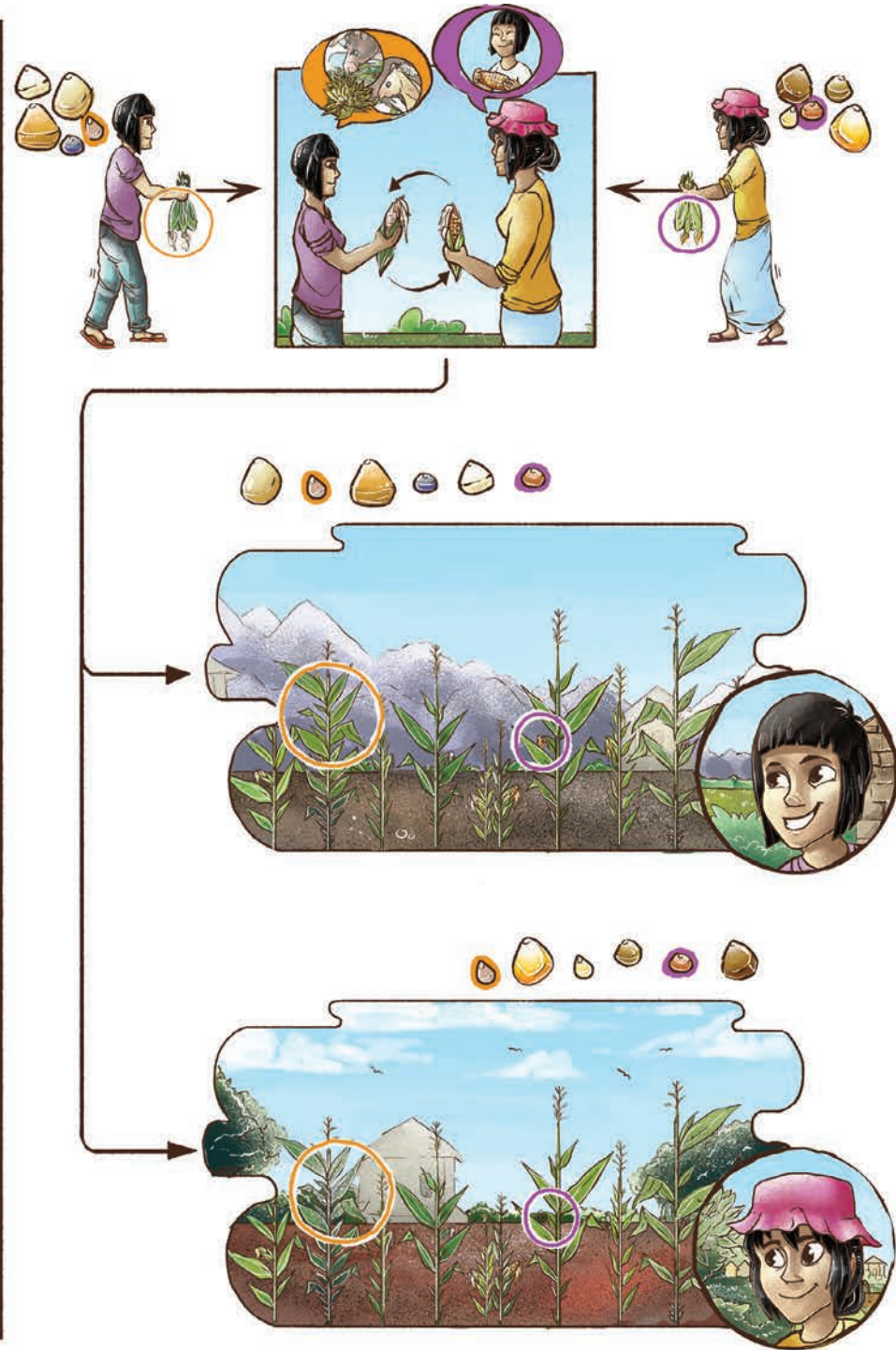
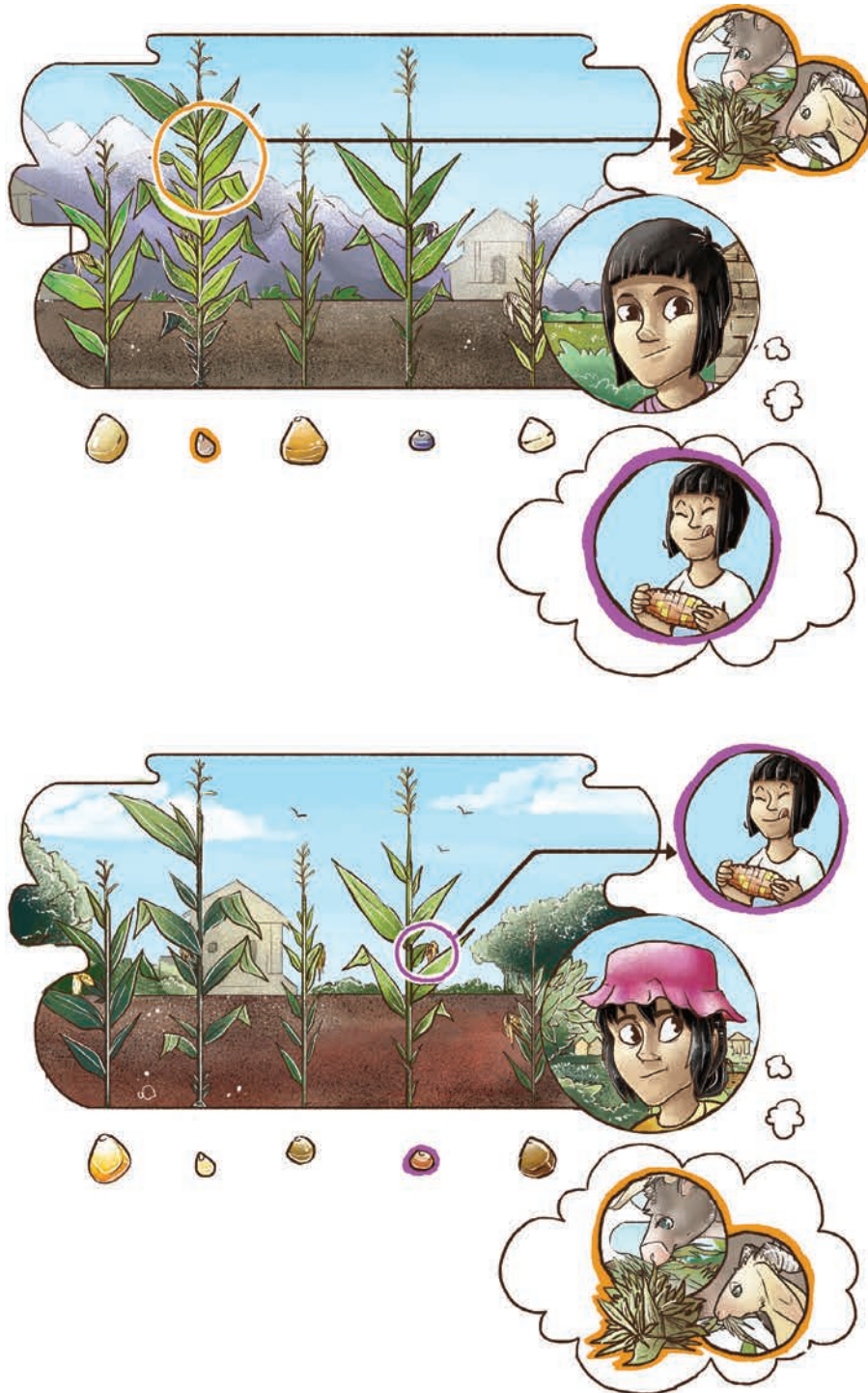
Chapter 11: Animals

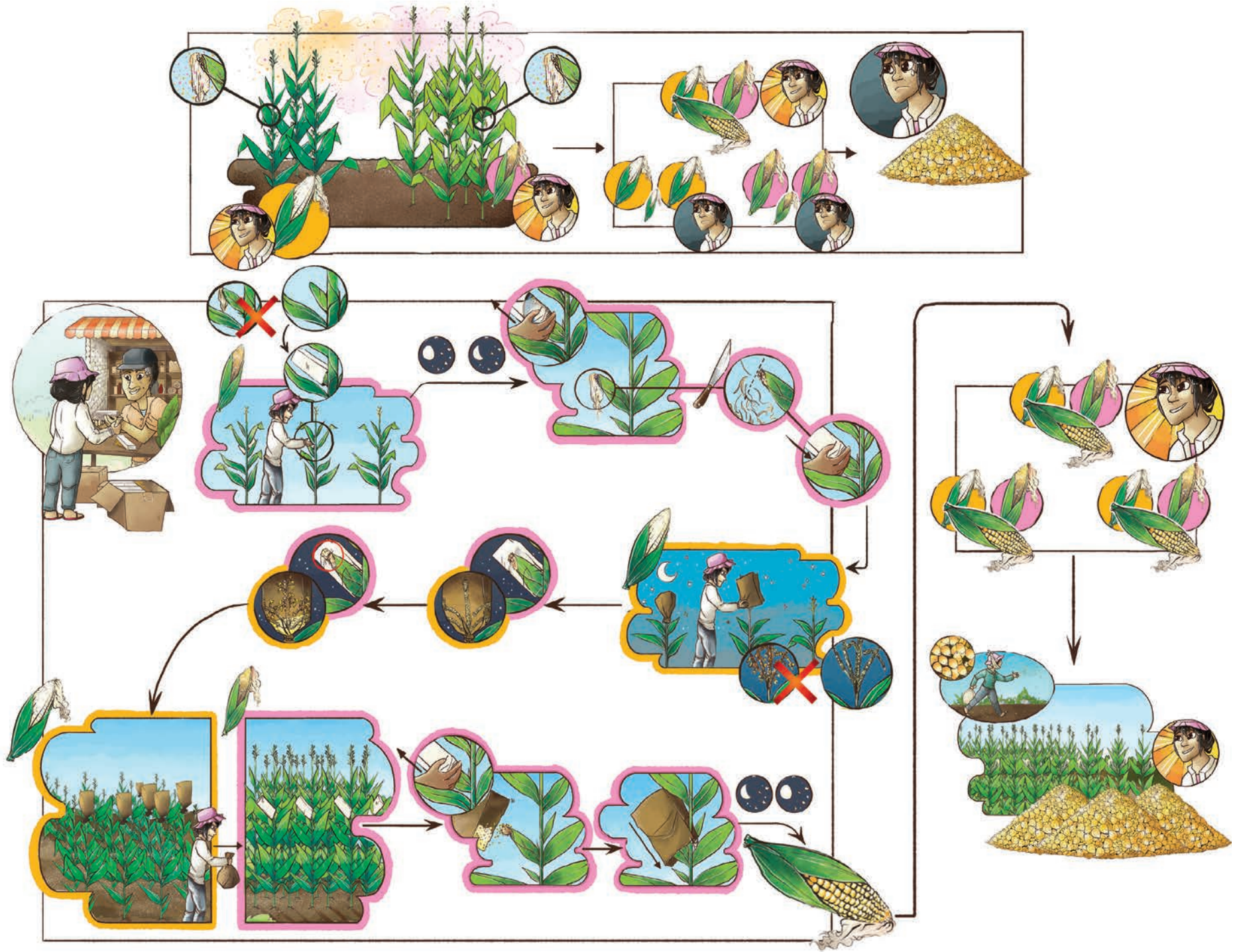


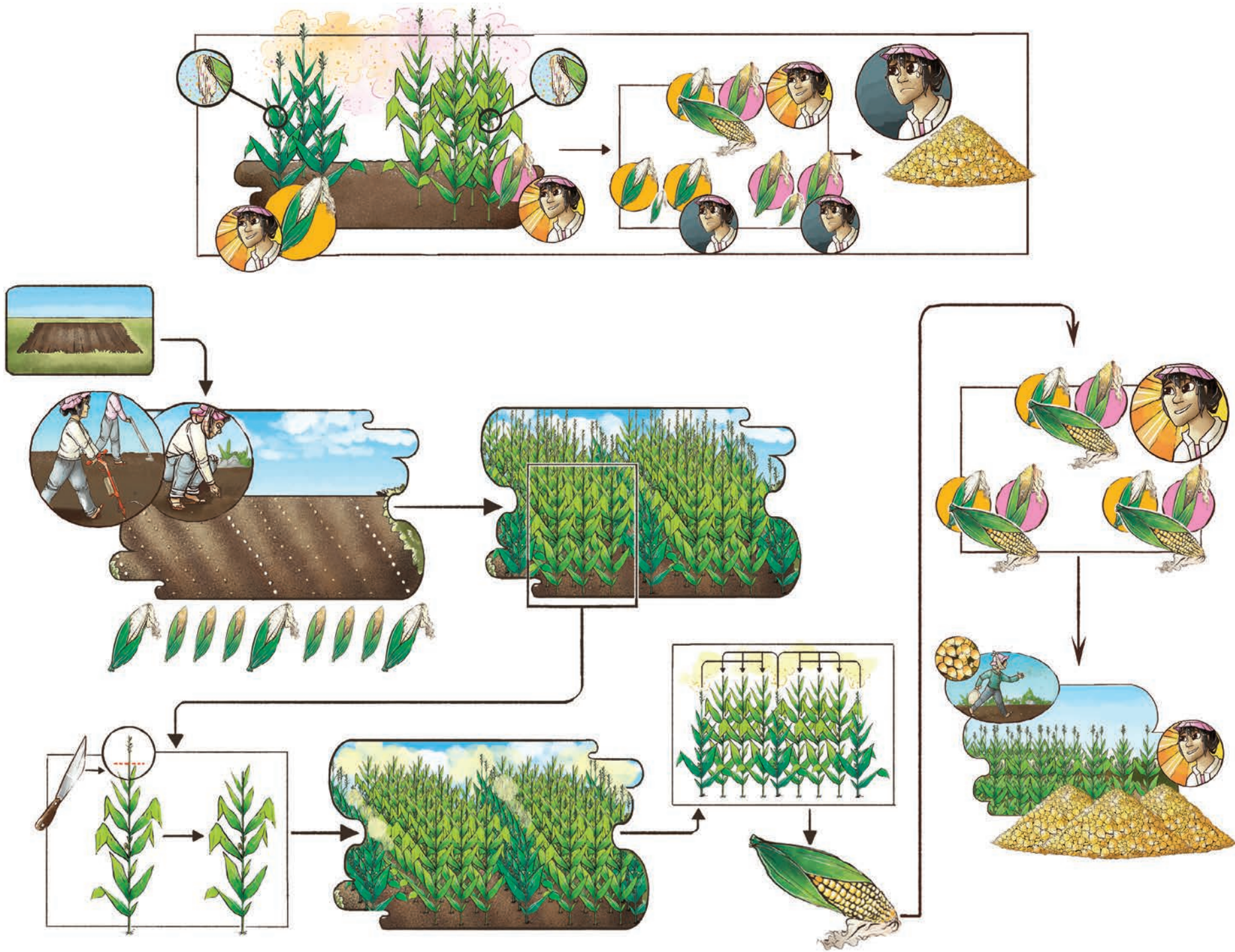


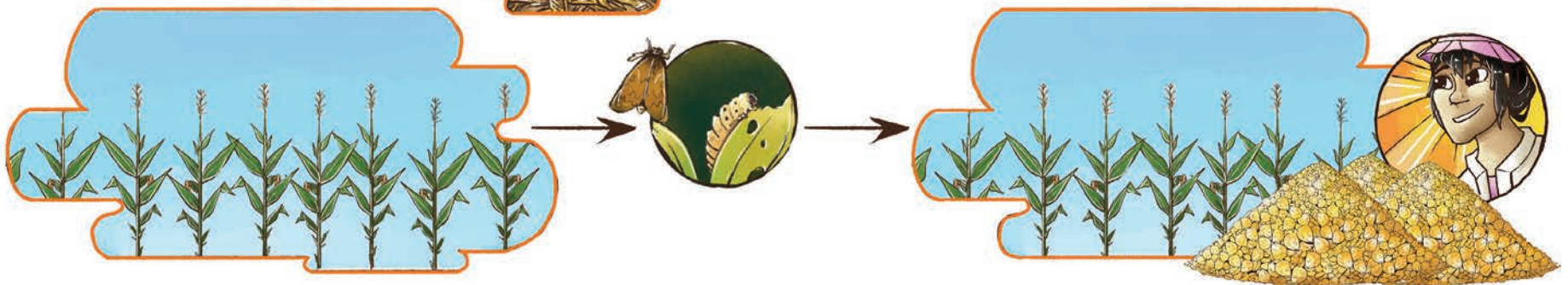
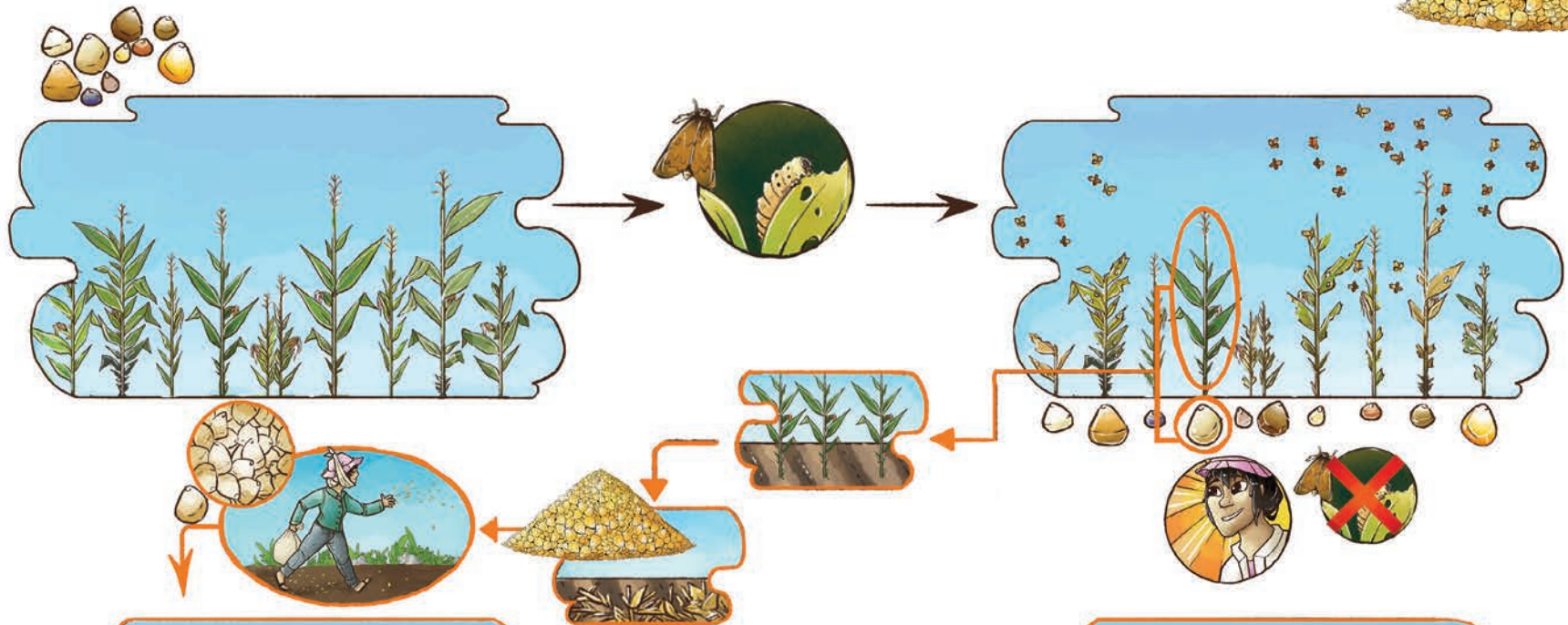
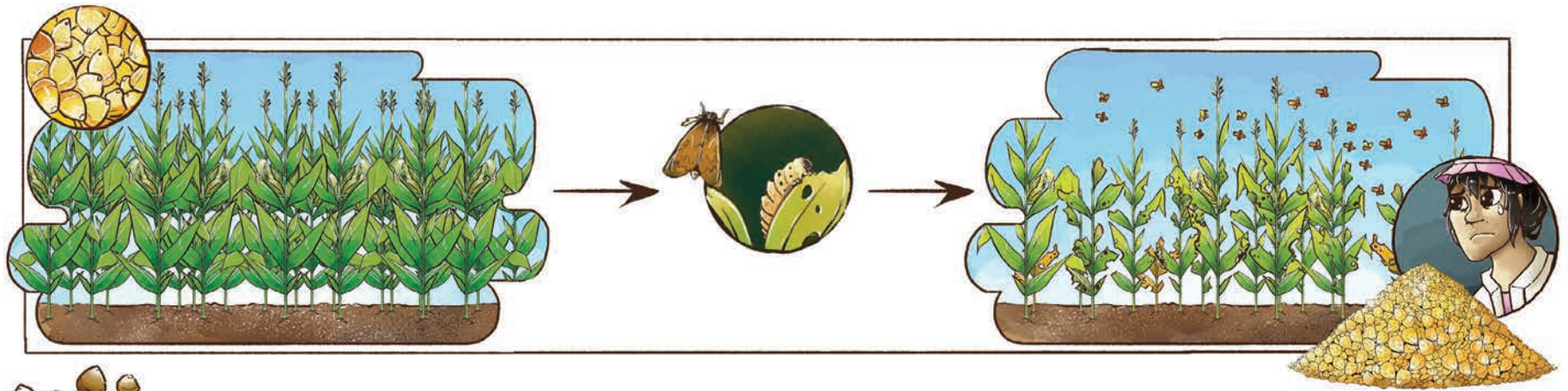


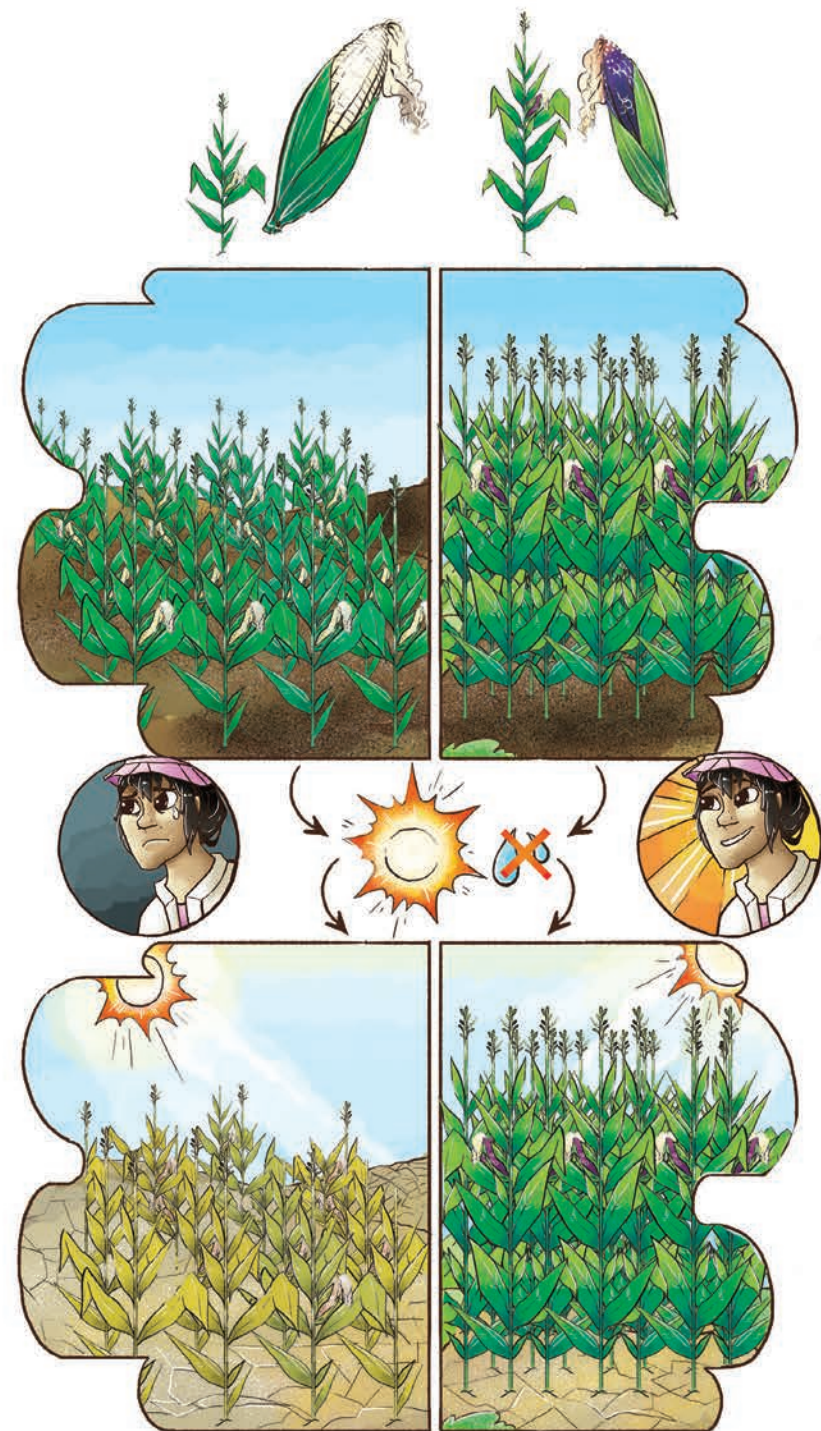
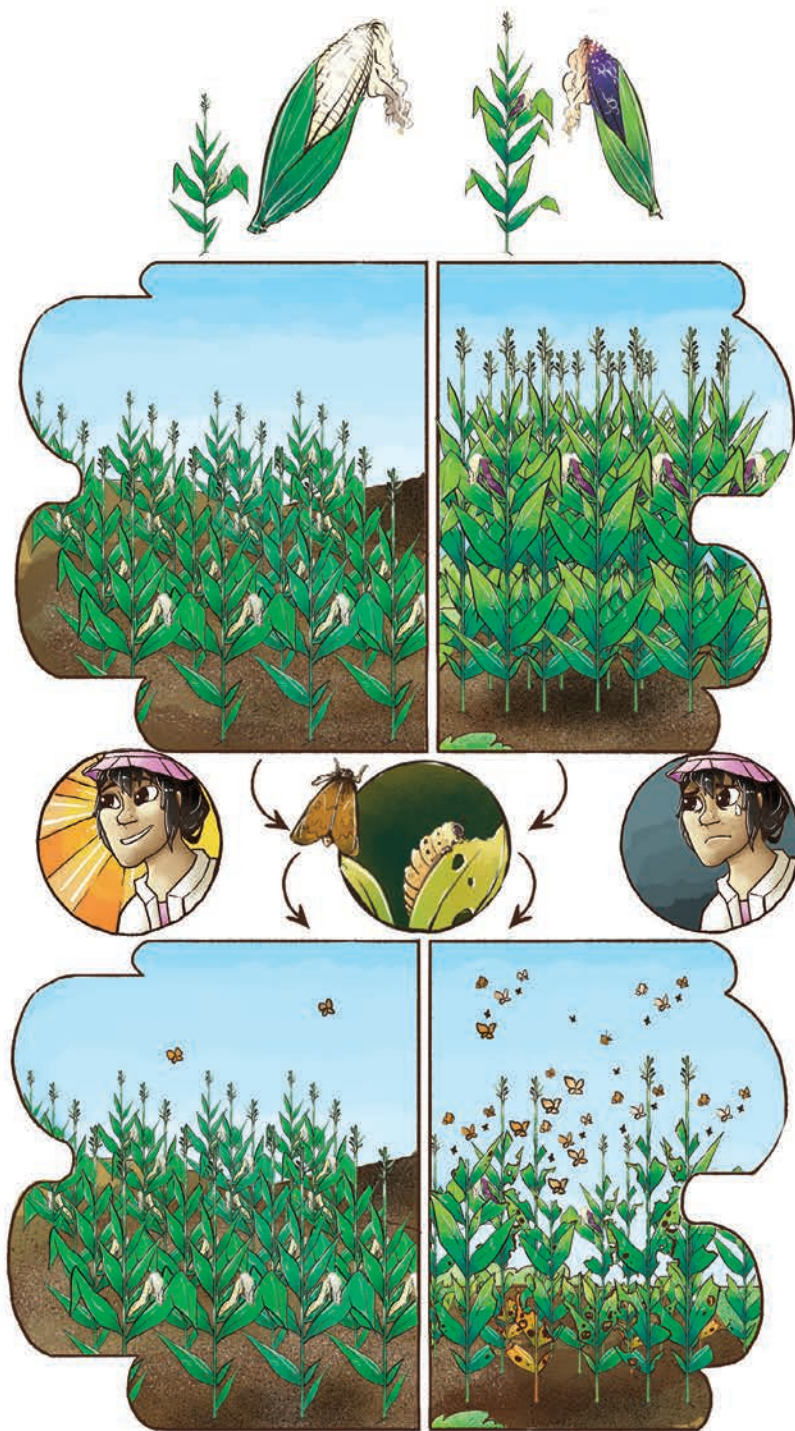
Chapter 12: Crop Breeding

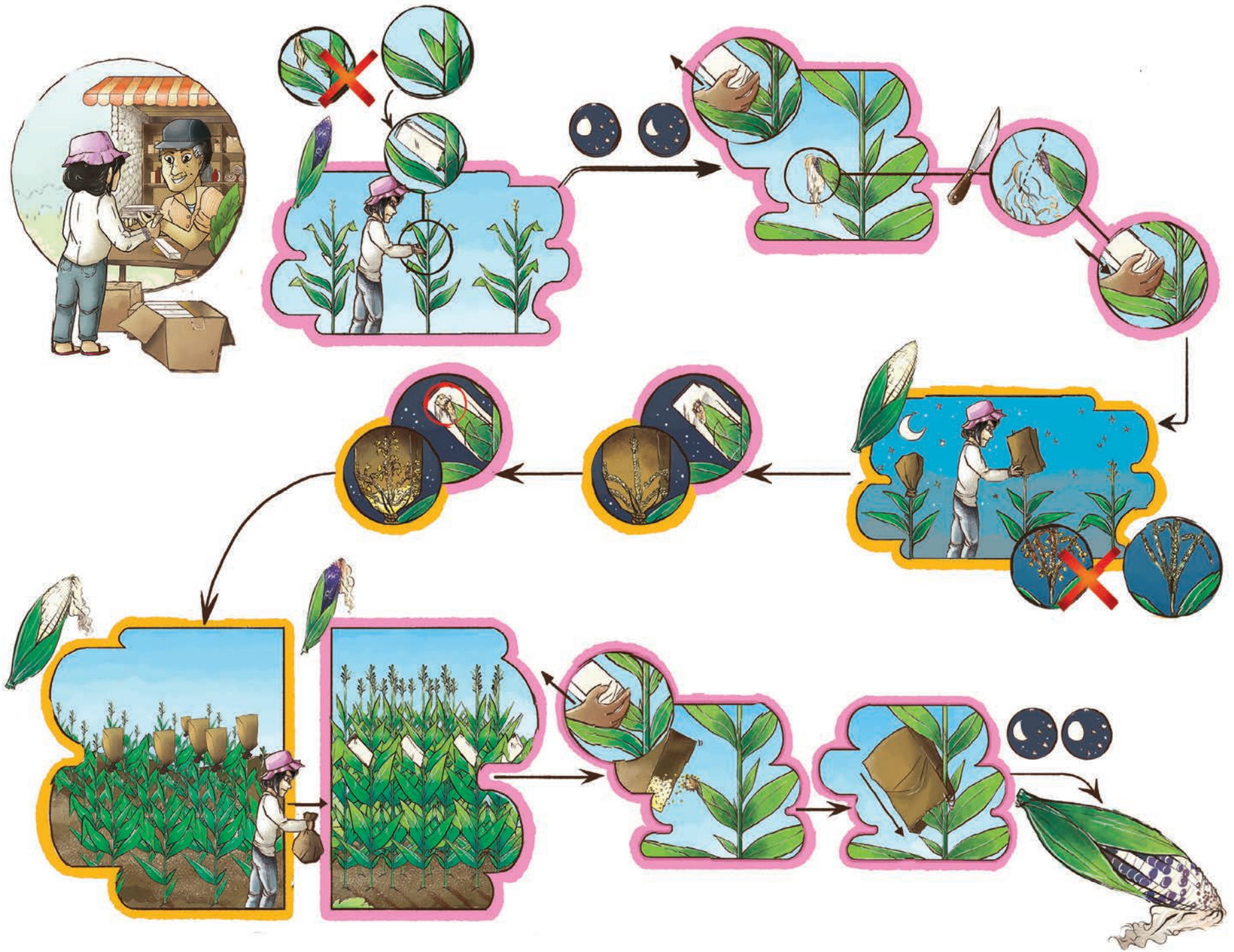


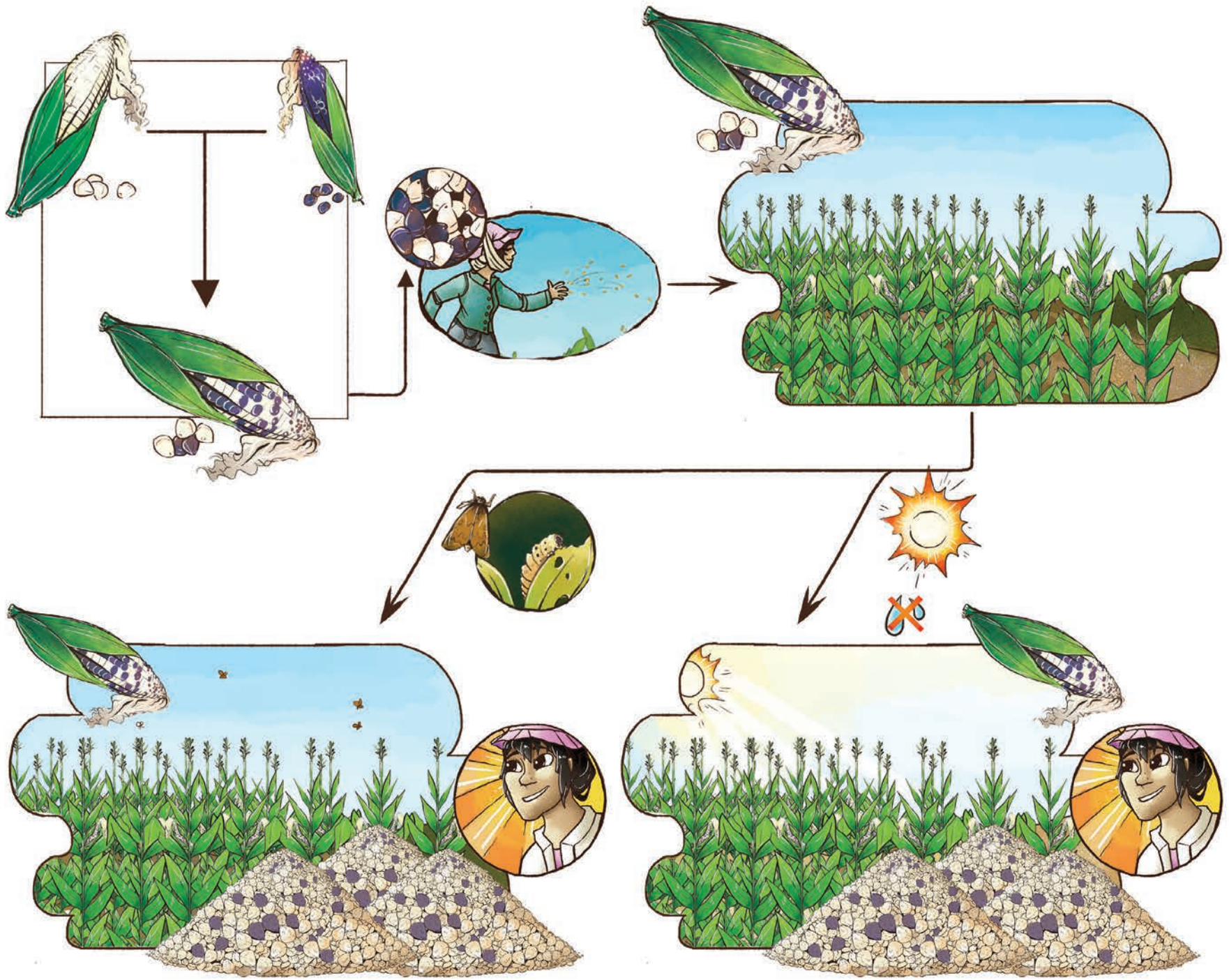


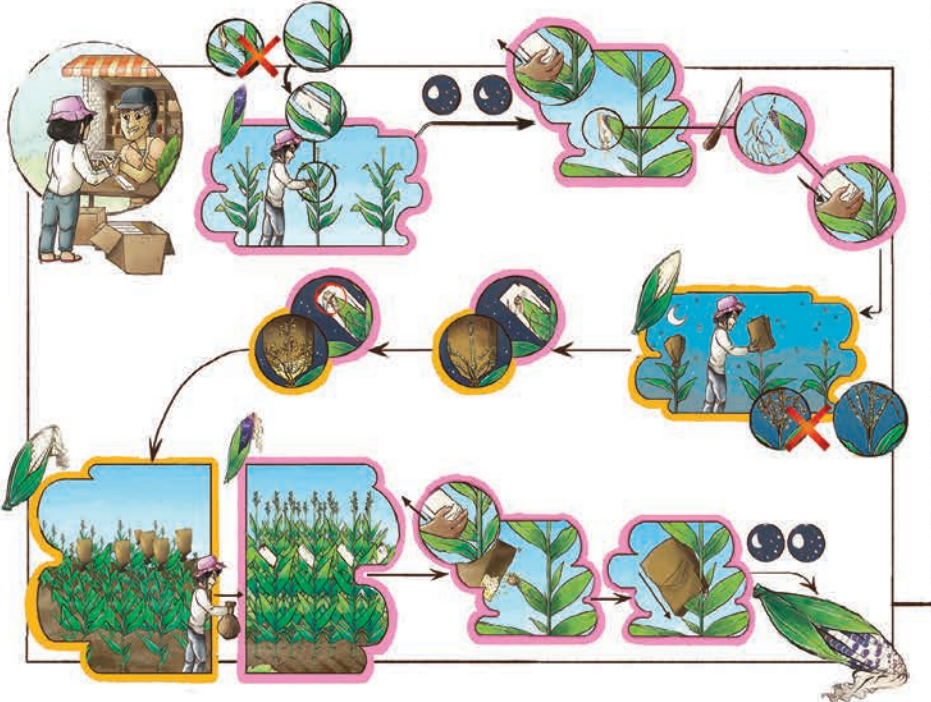
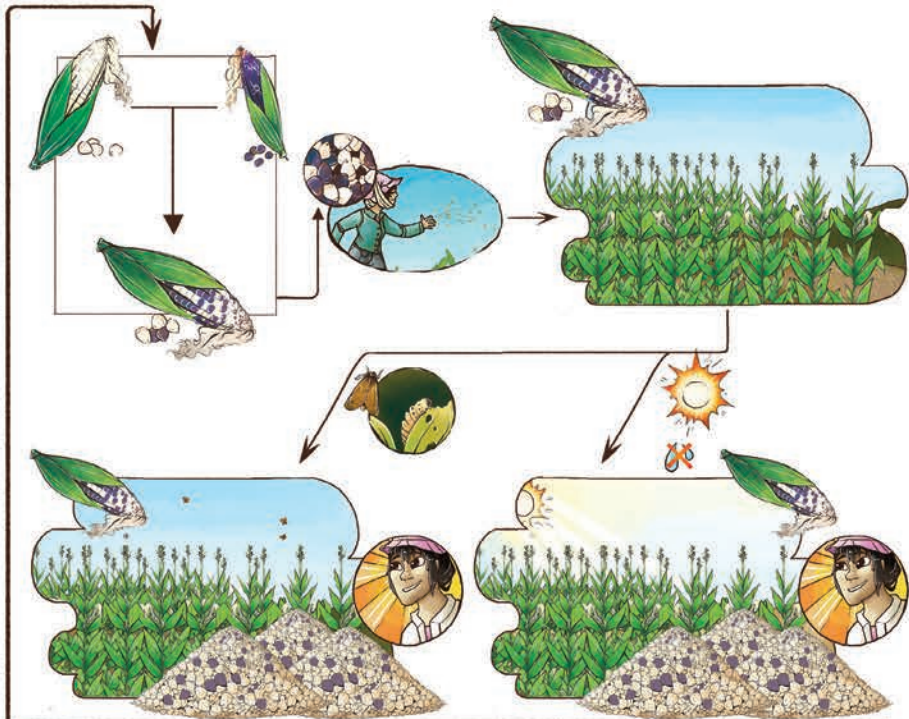
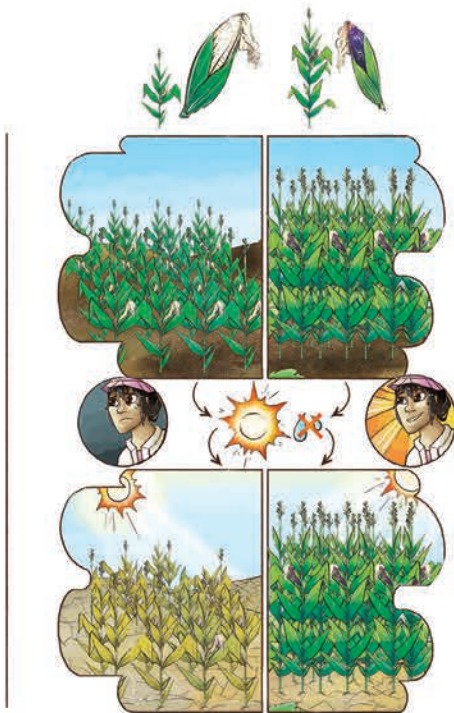
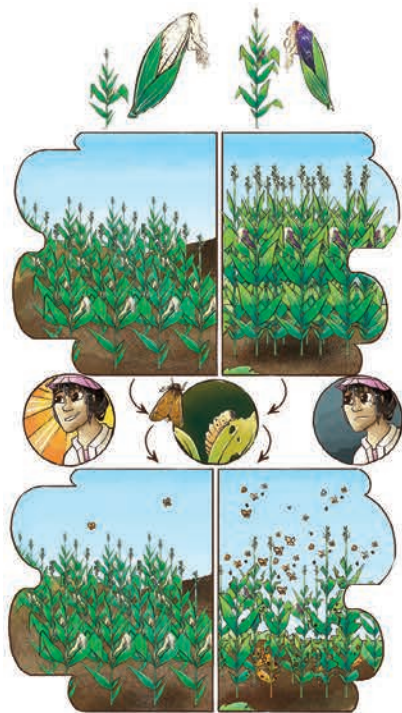


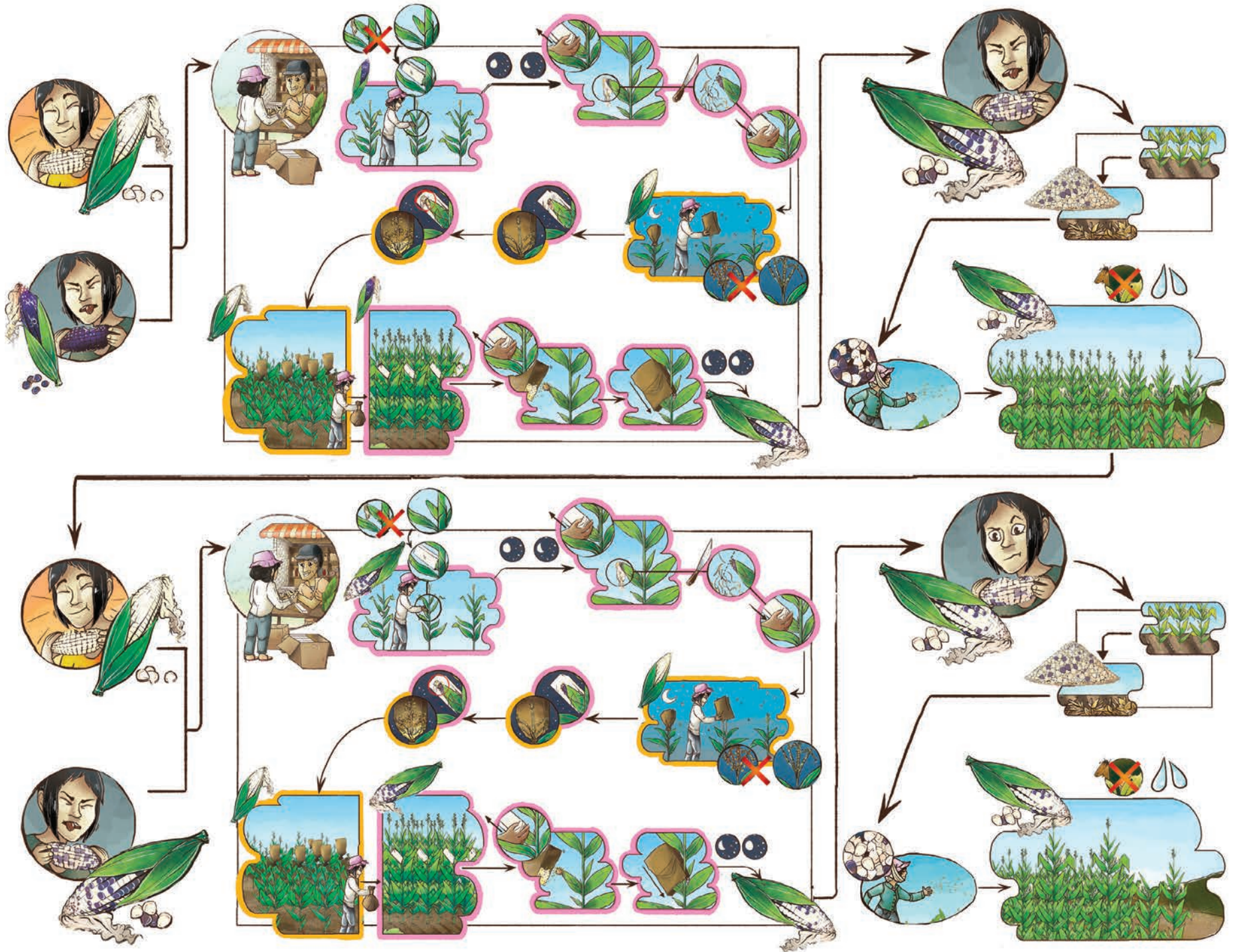


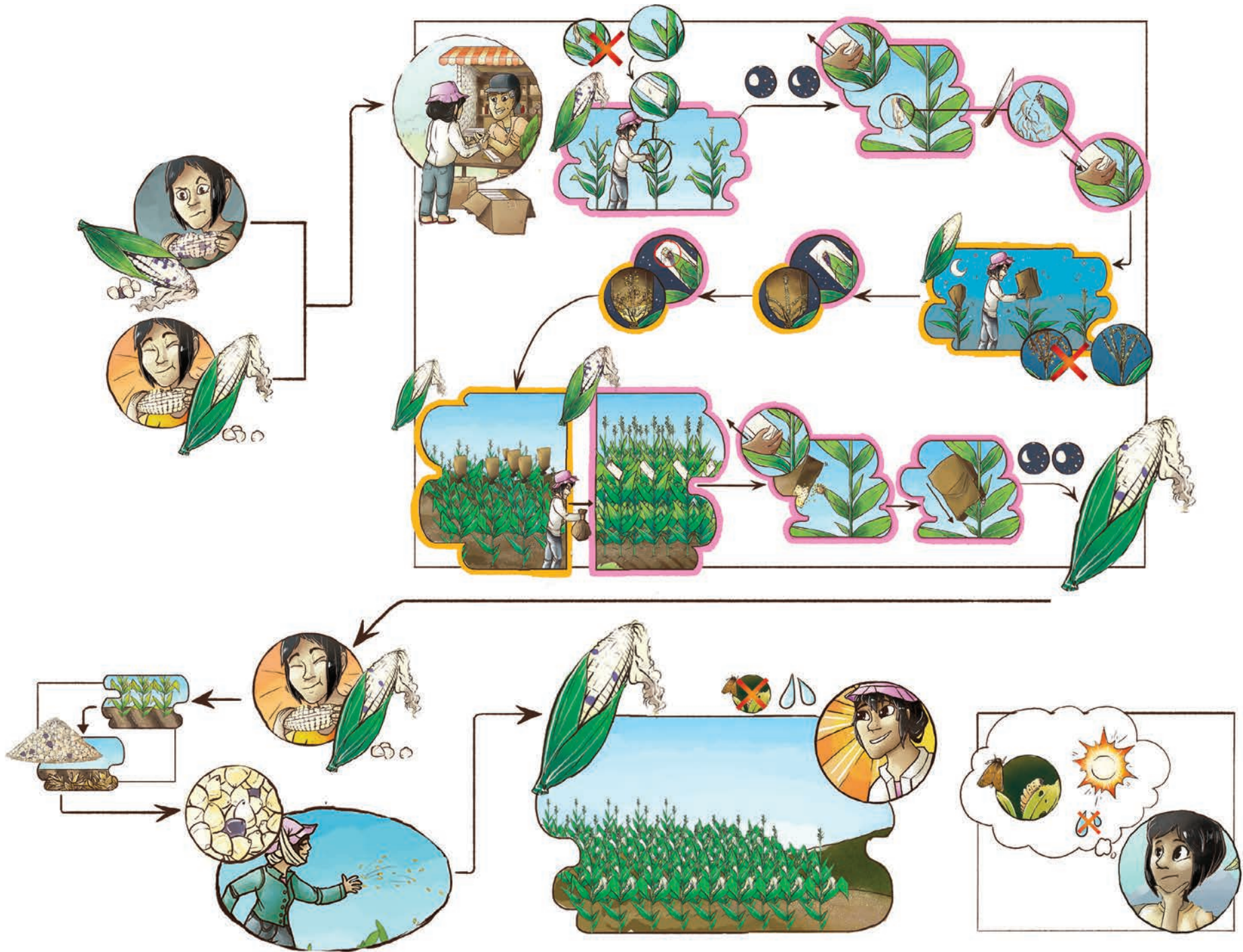


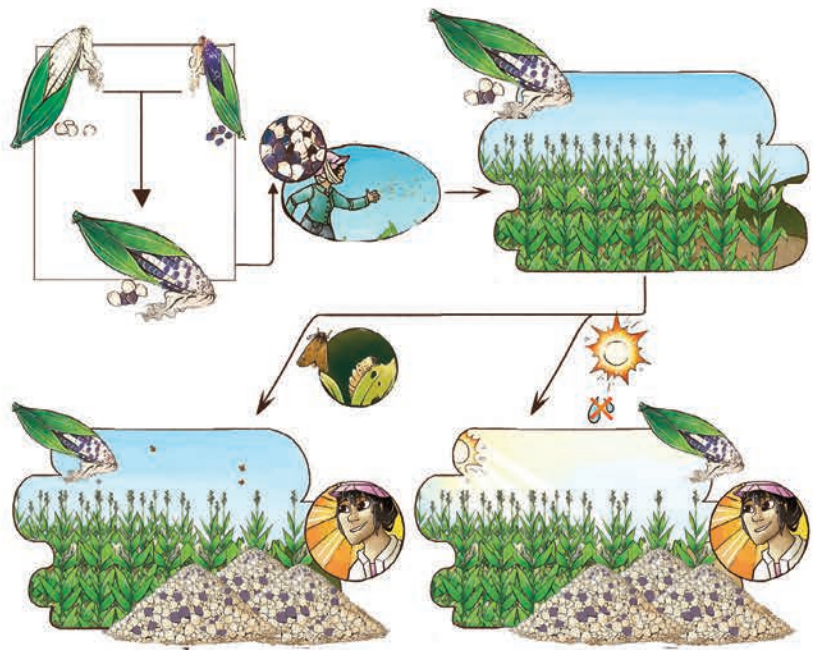
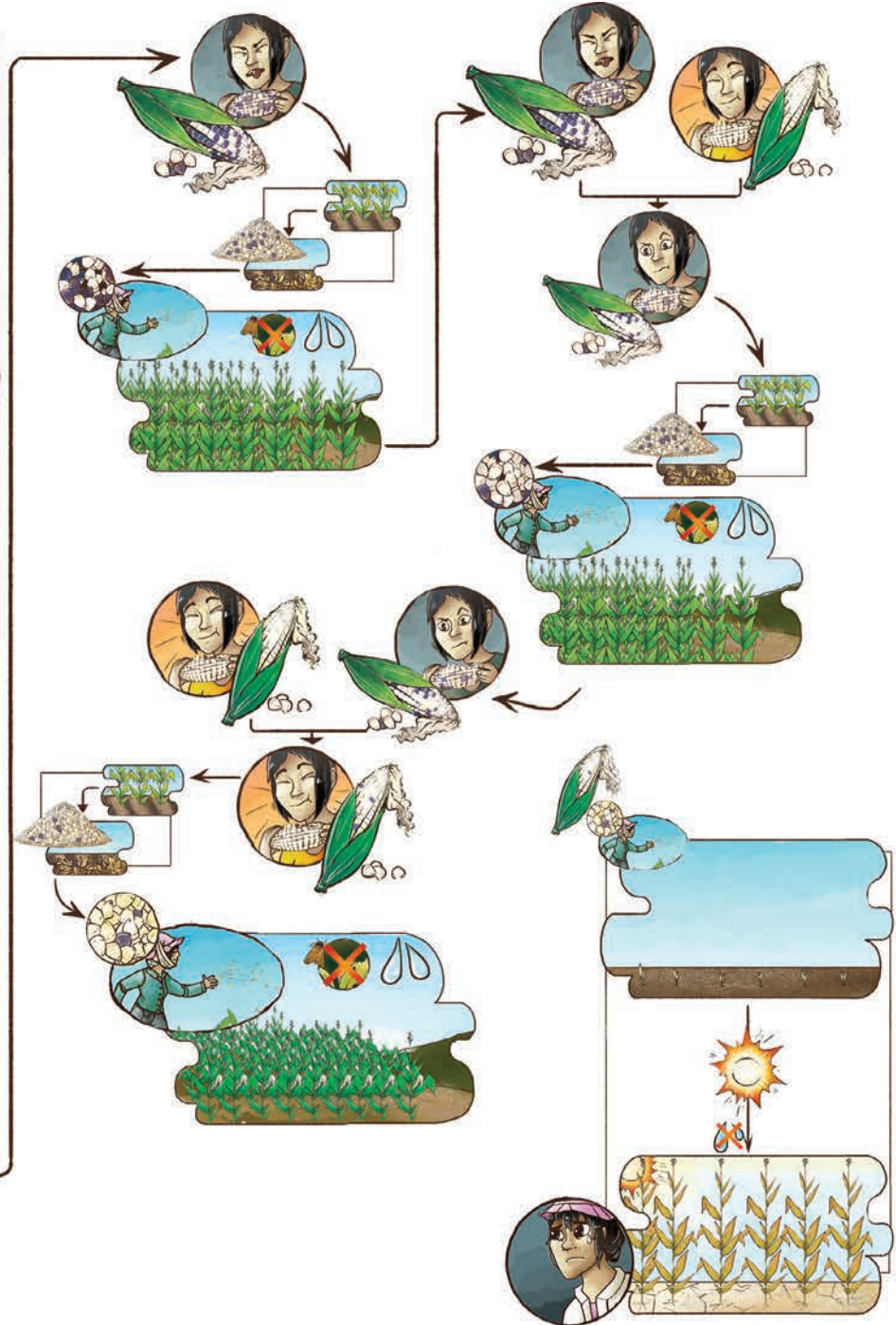
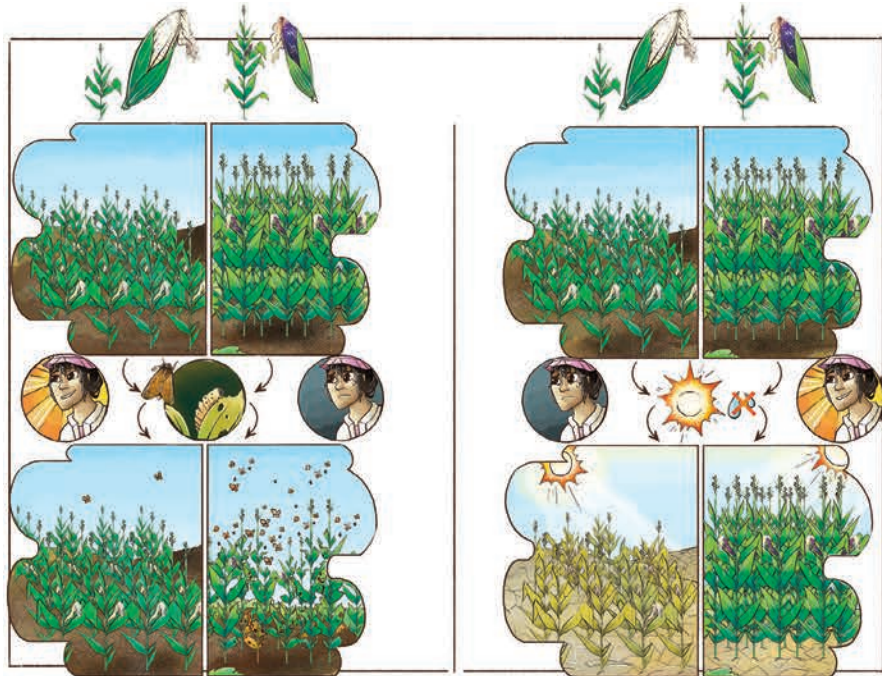


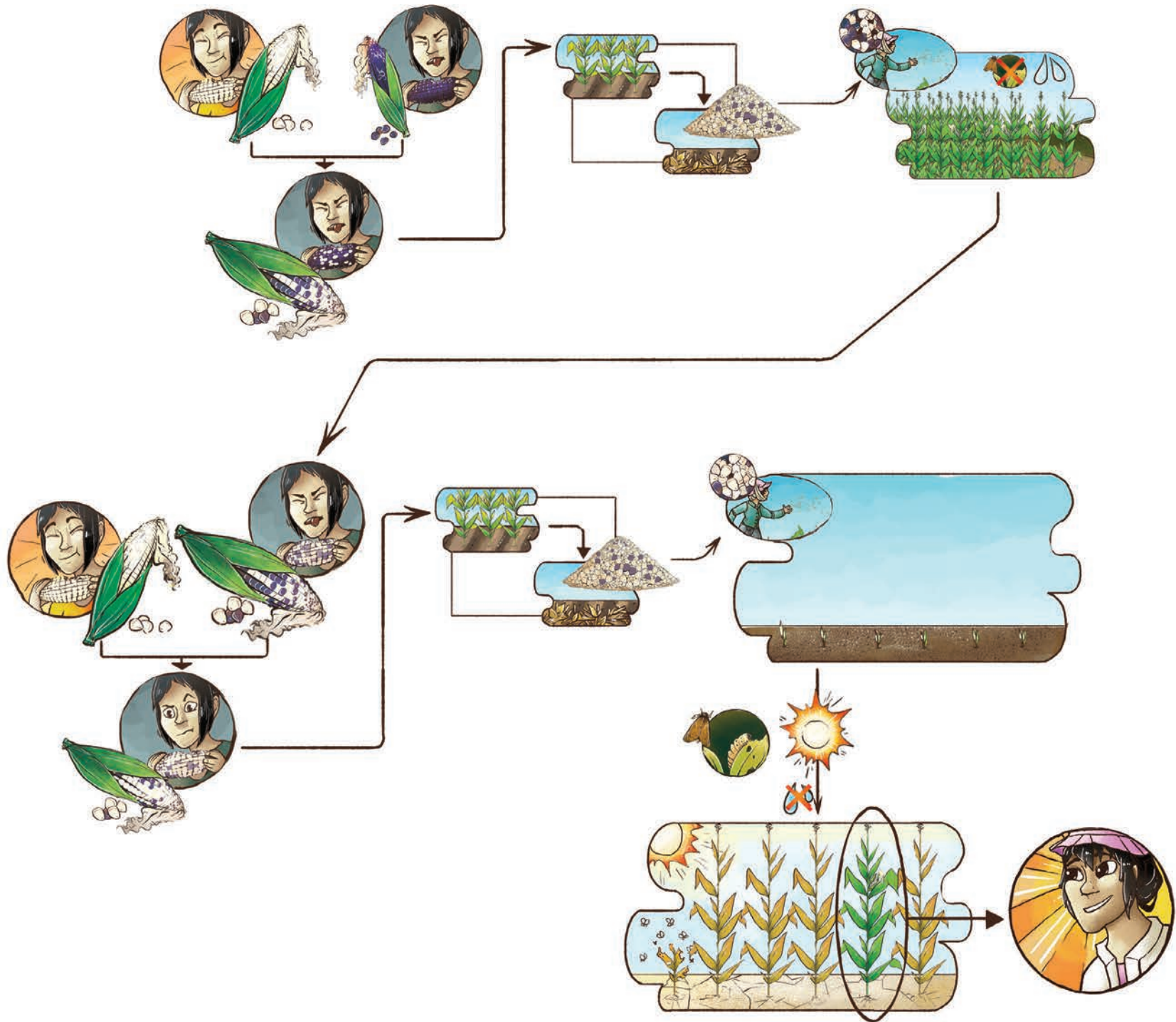


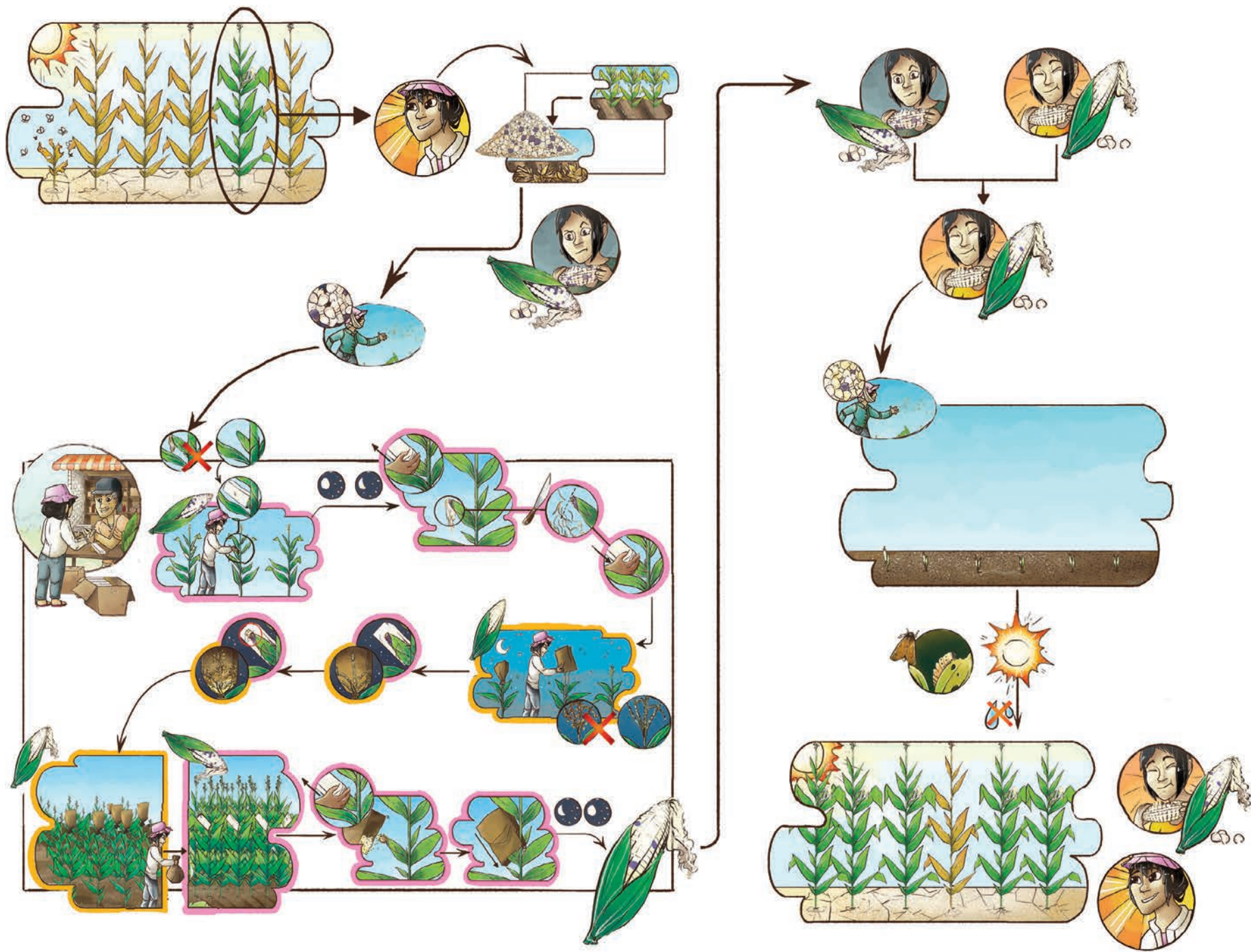




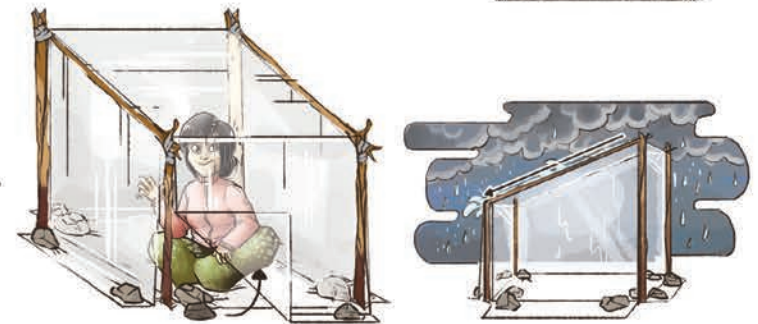
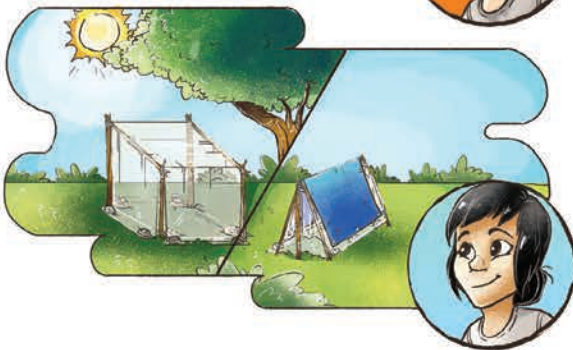
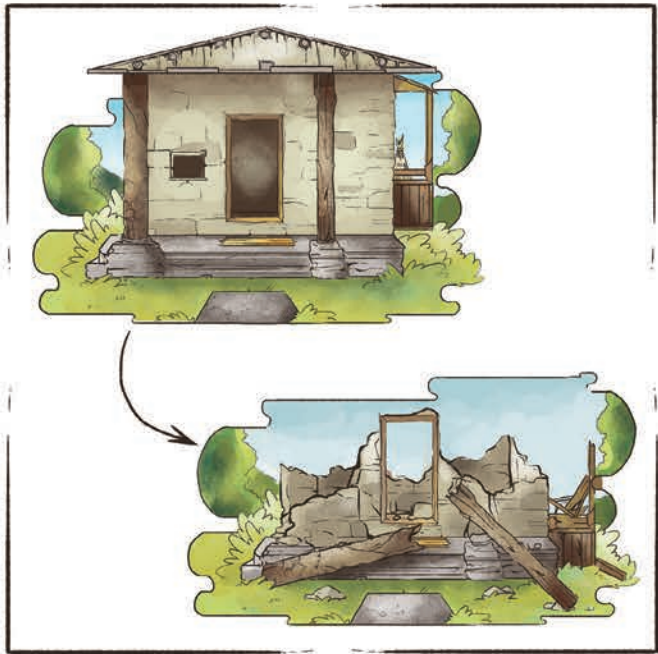


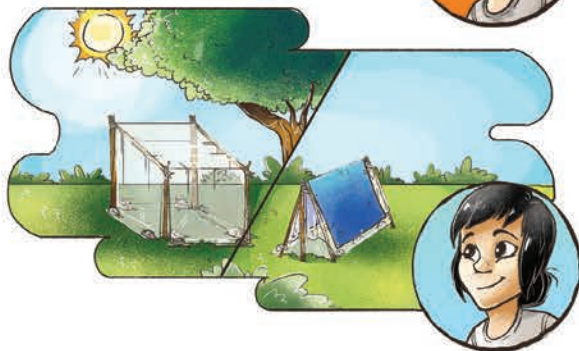
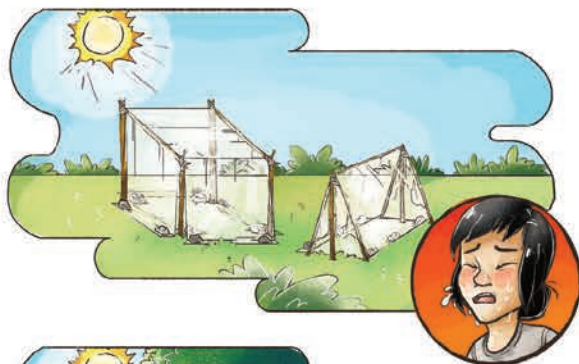
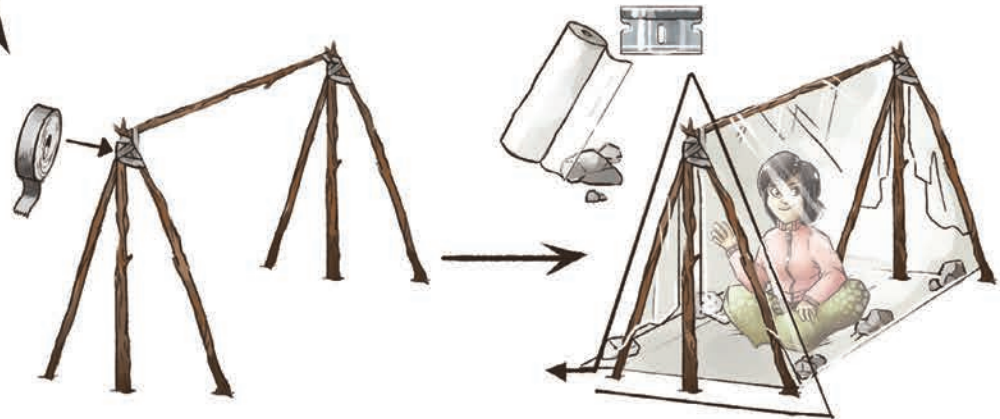
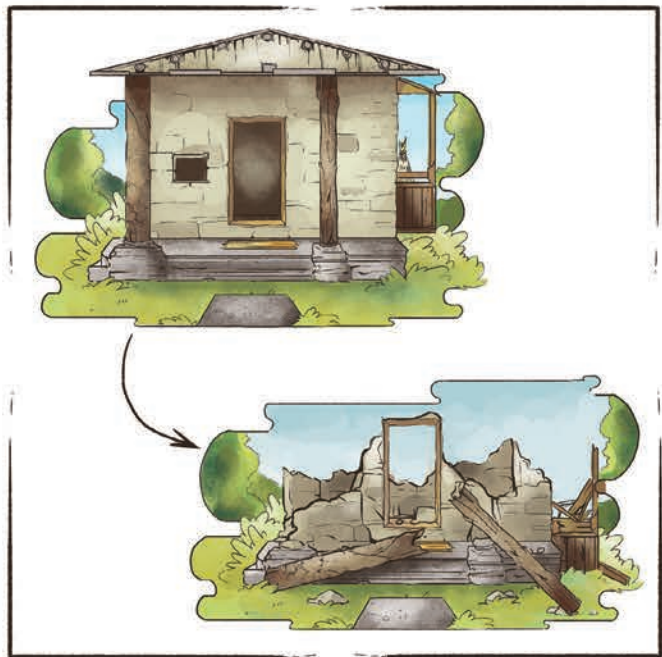


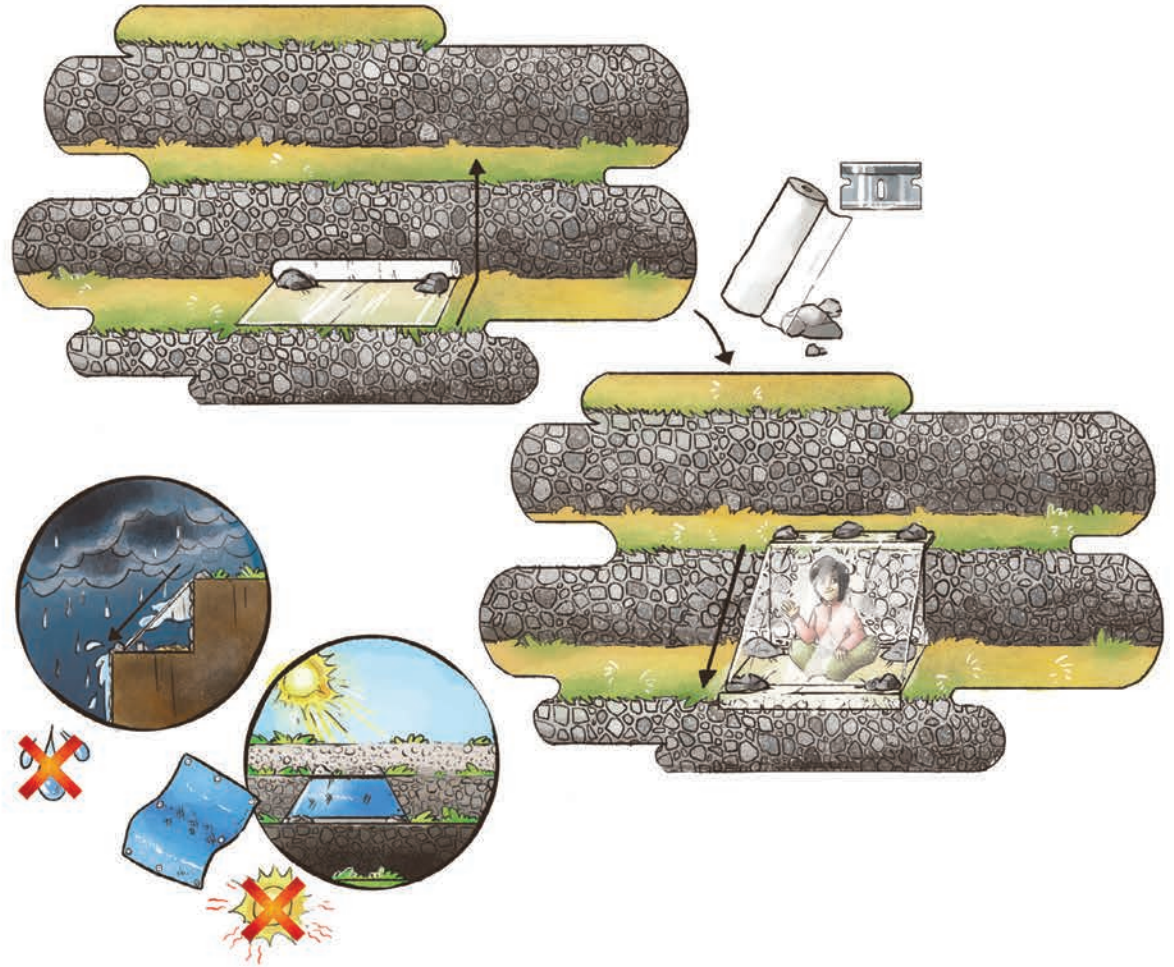
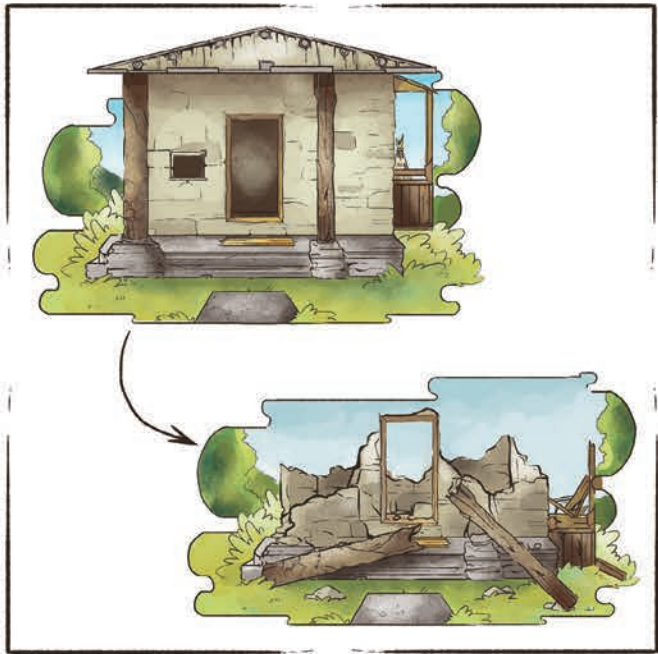




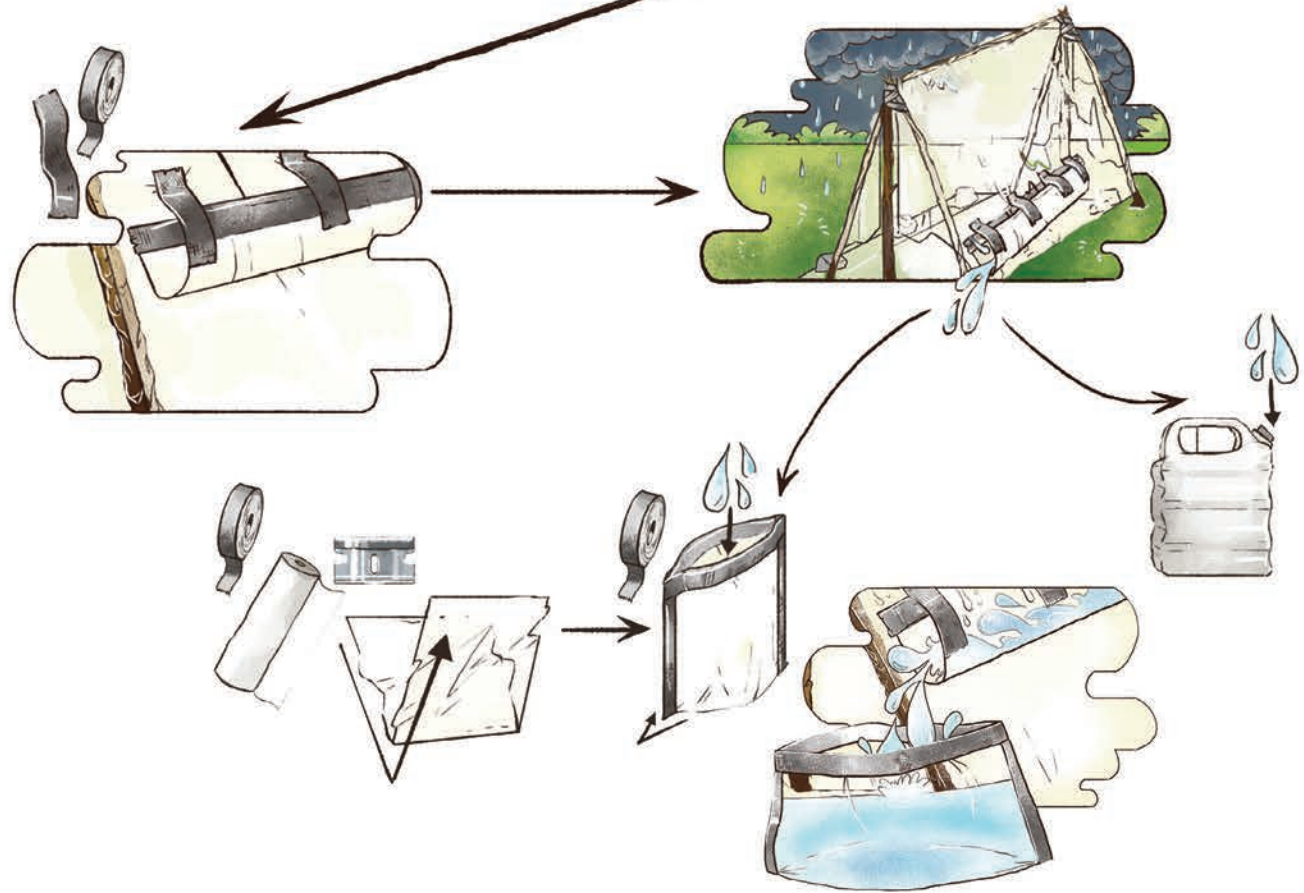
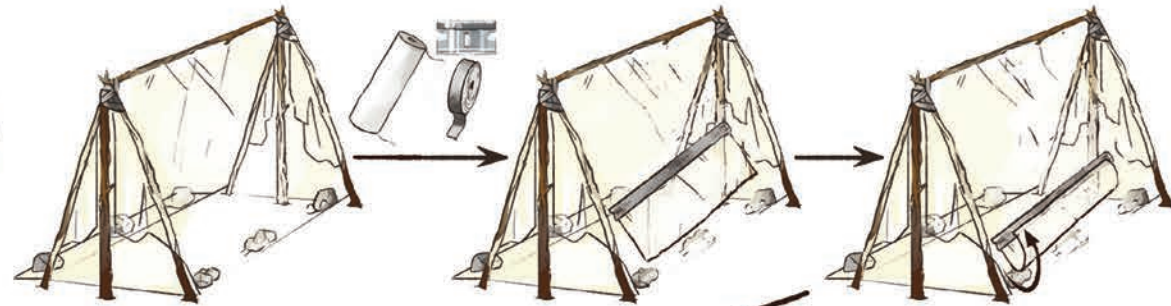
Chapter 13: Disaster Relief

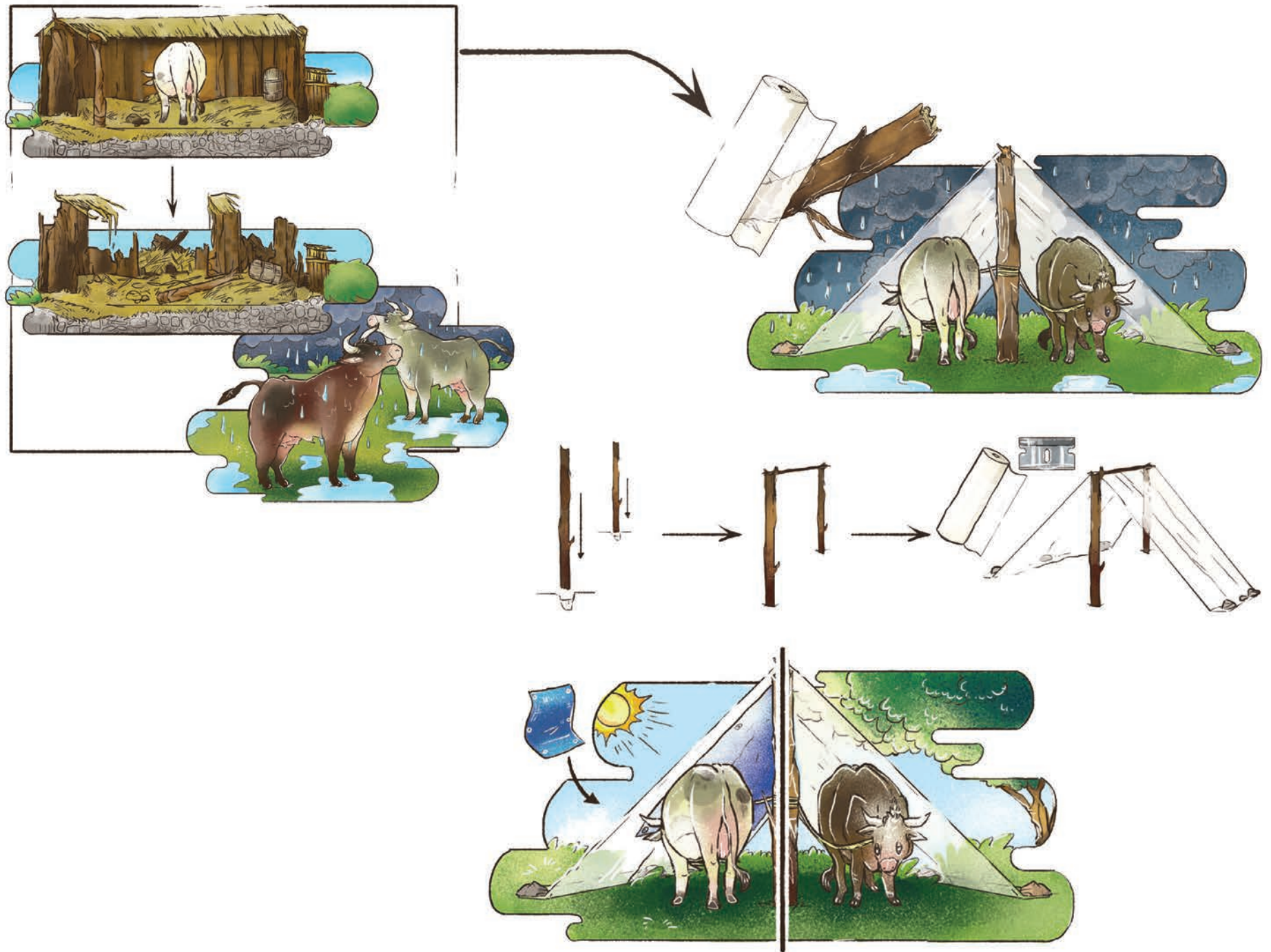


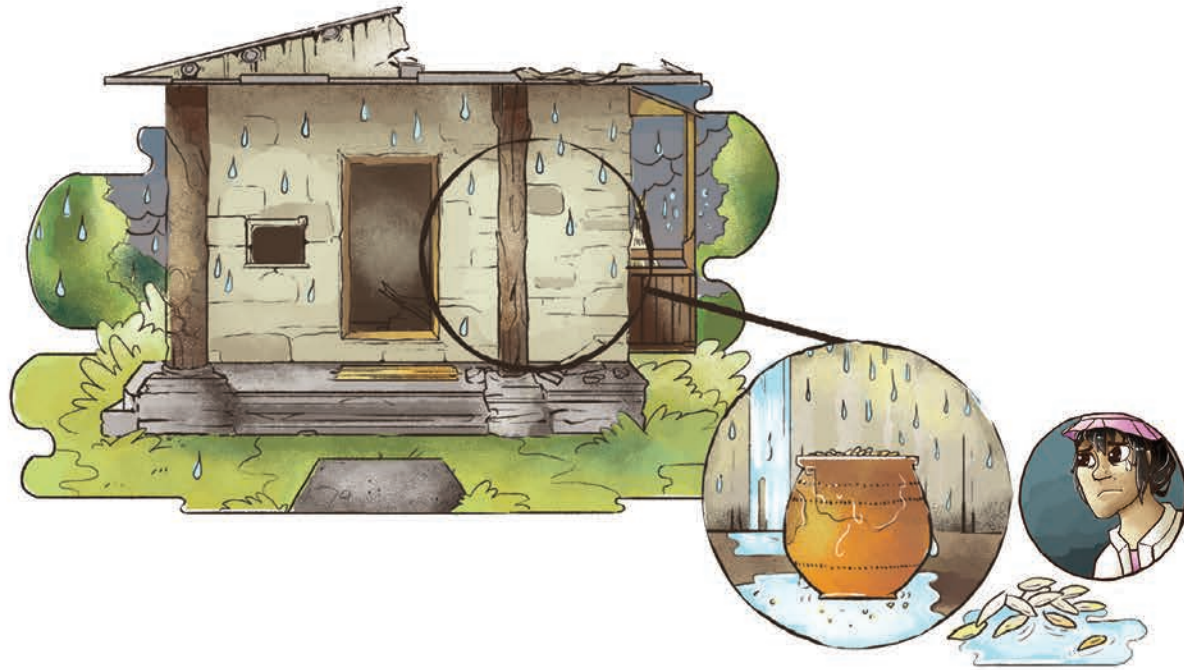


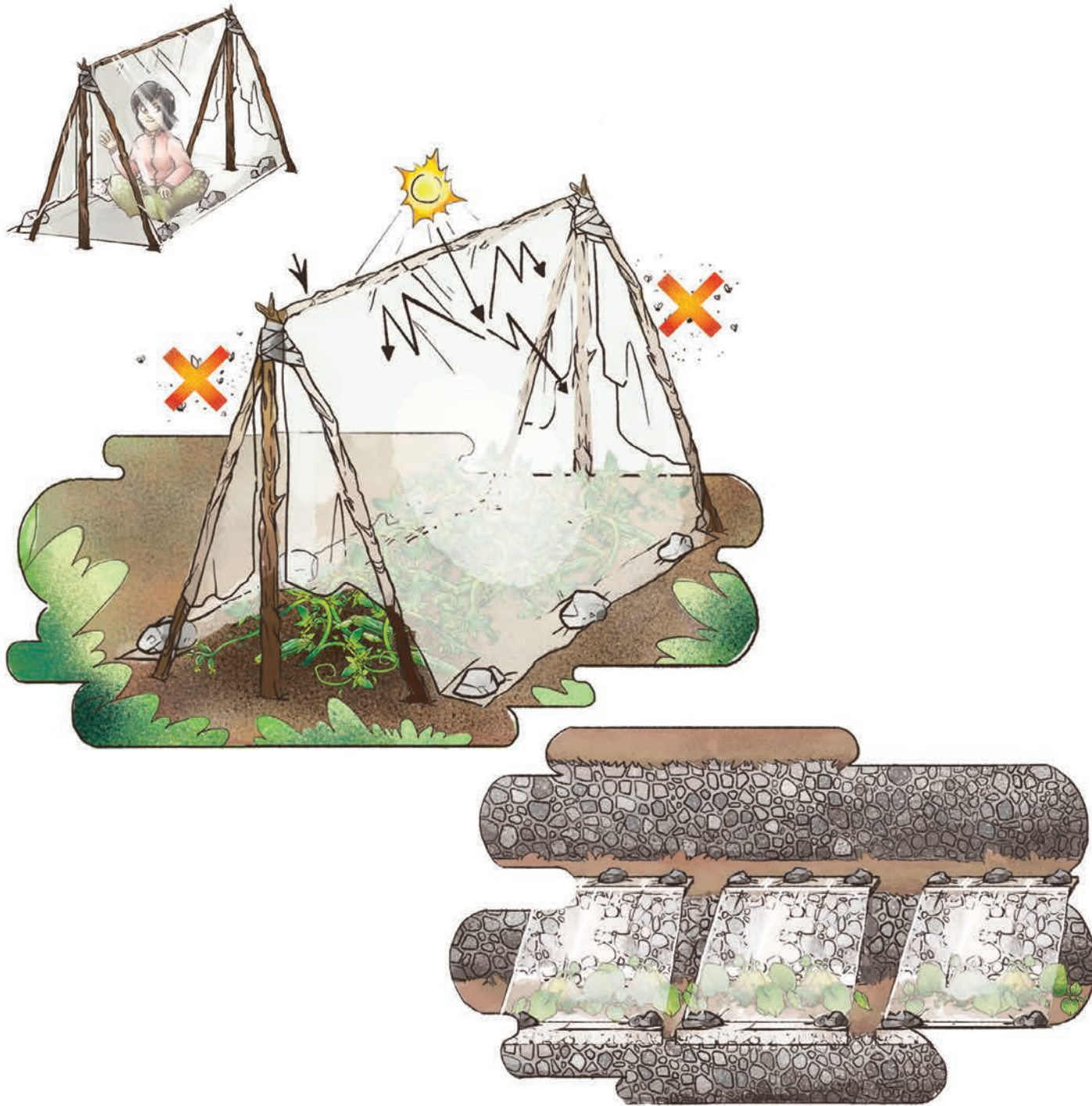


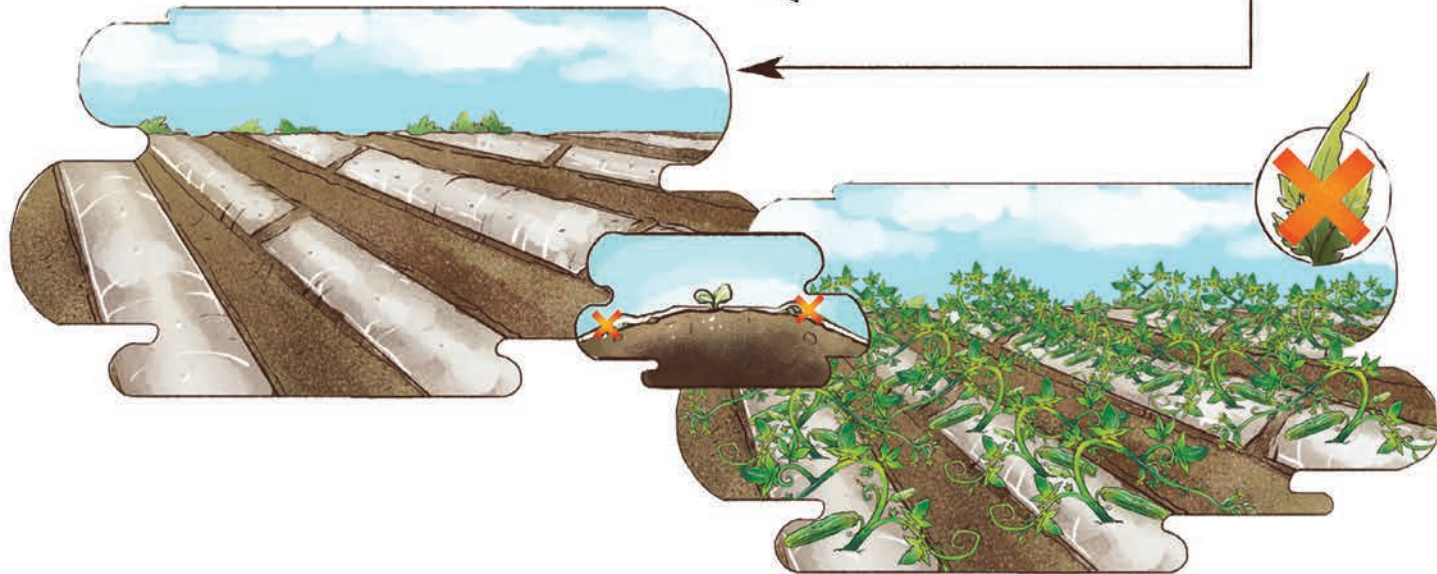
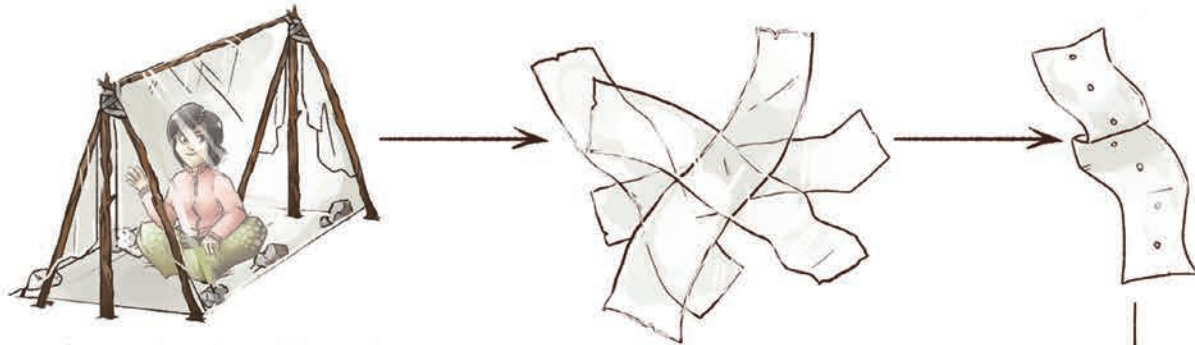


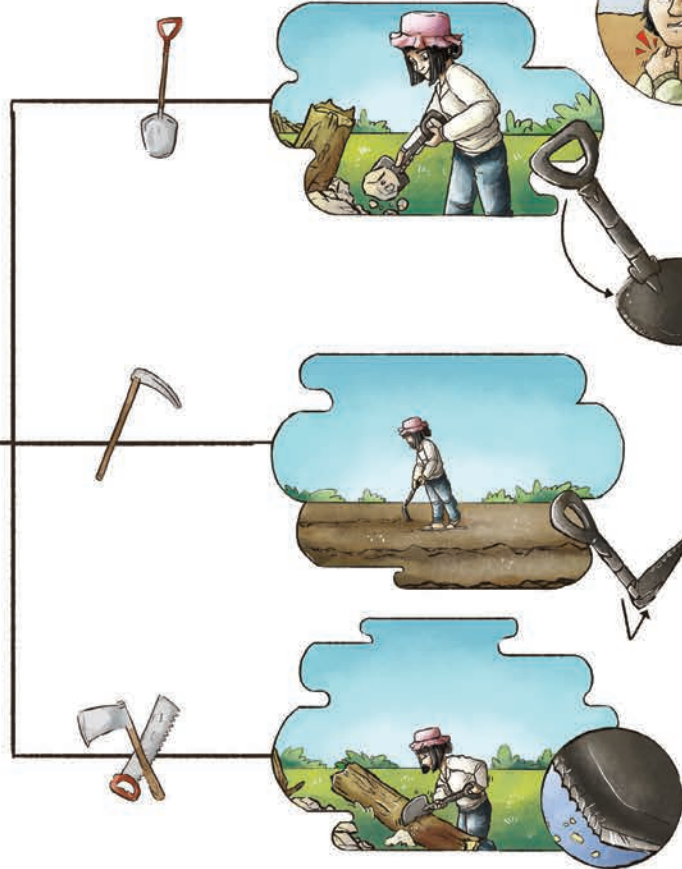
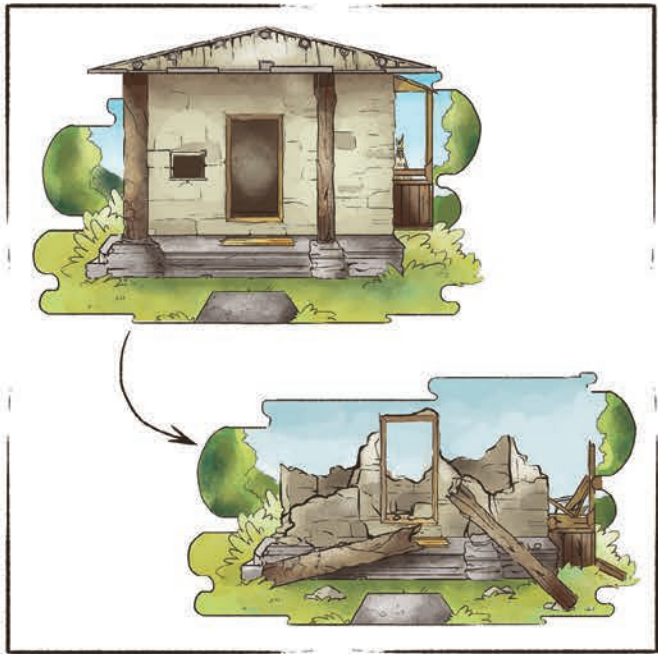


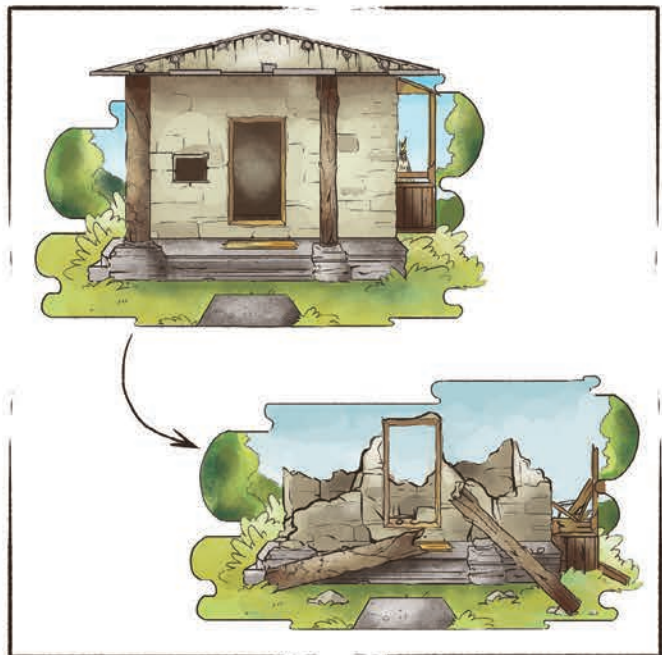


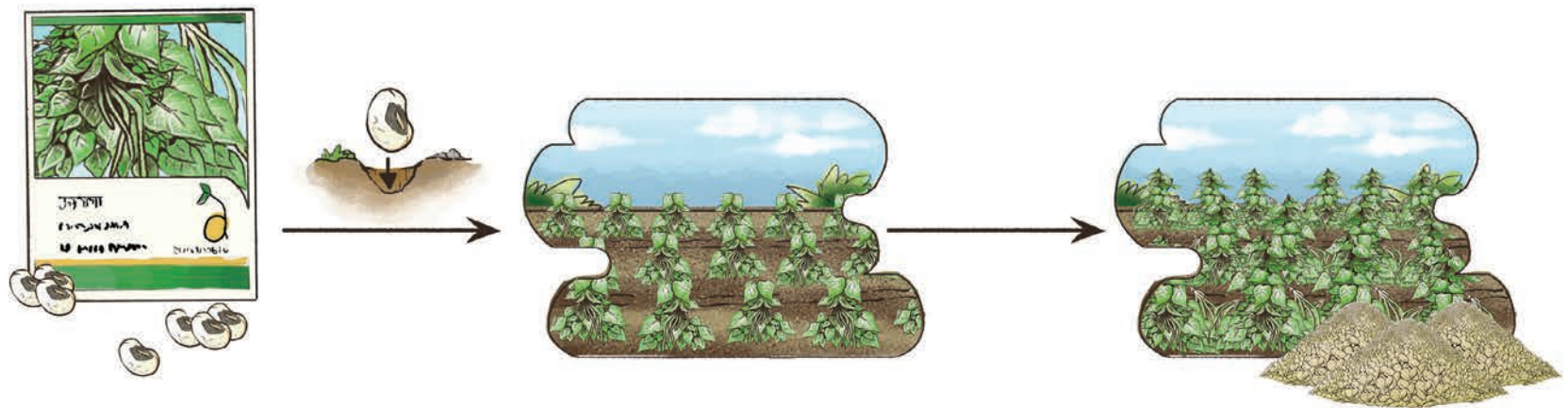
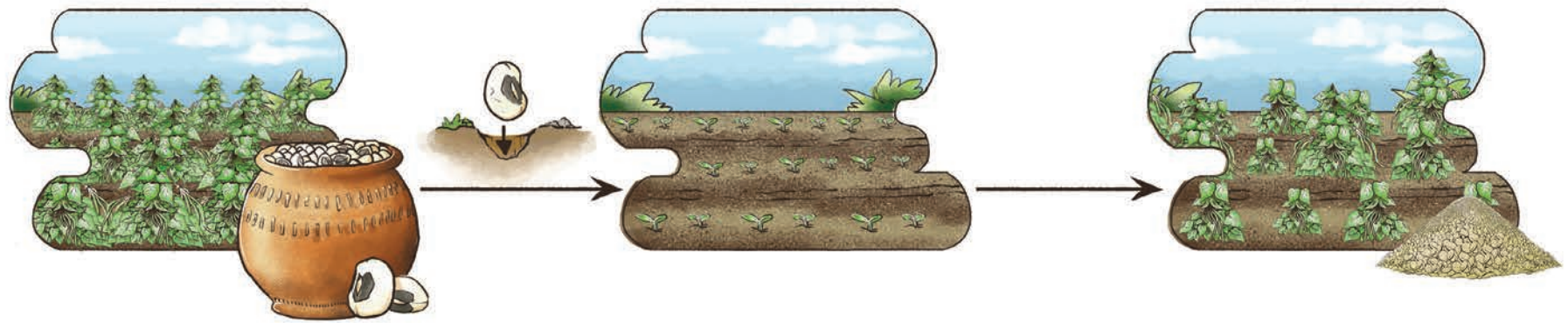


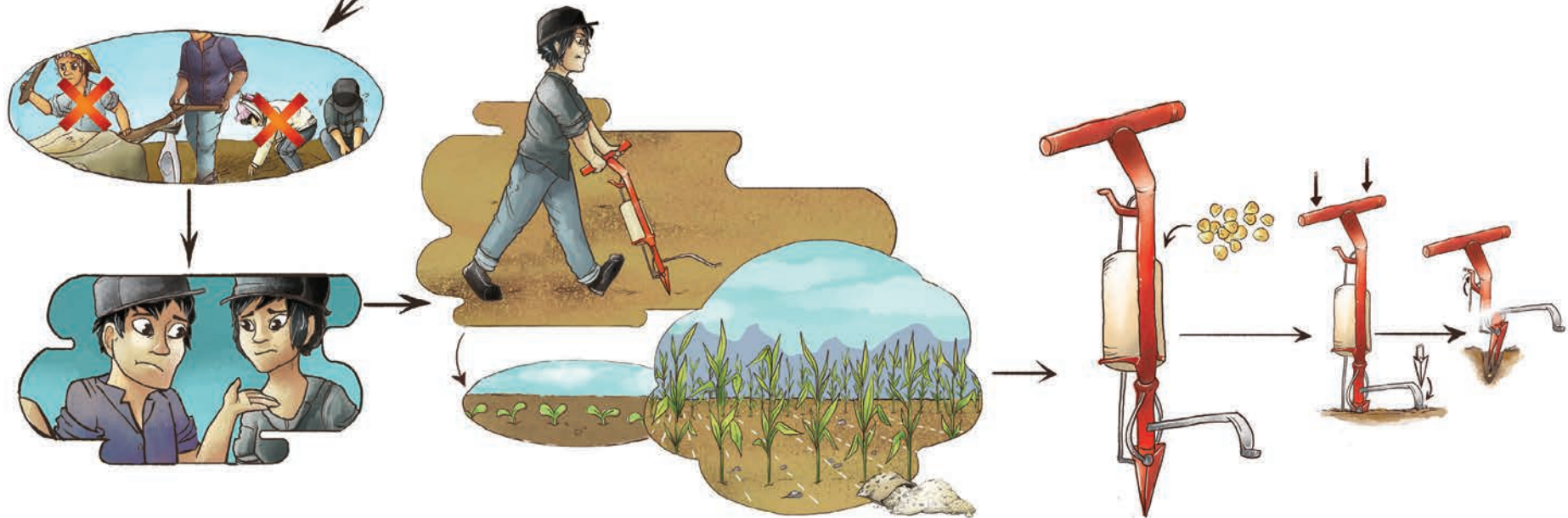
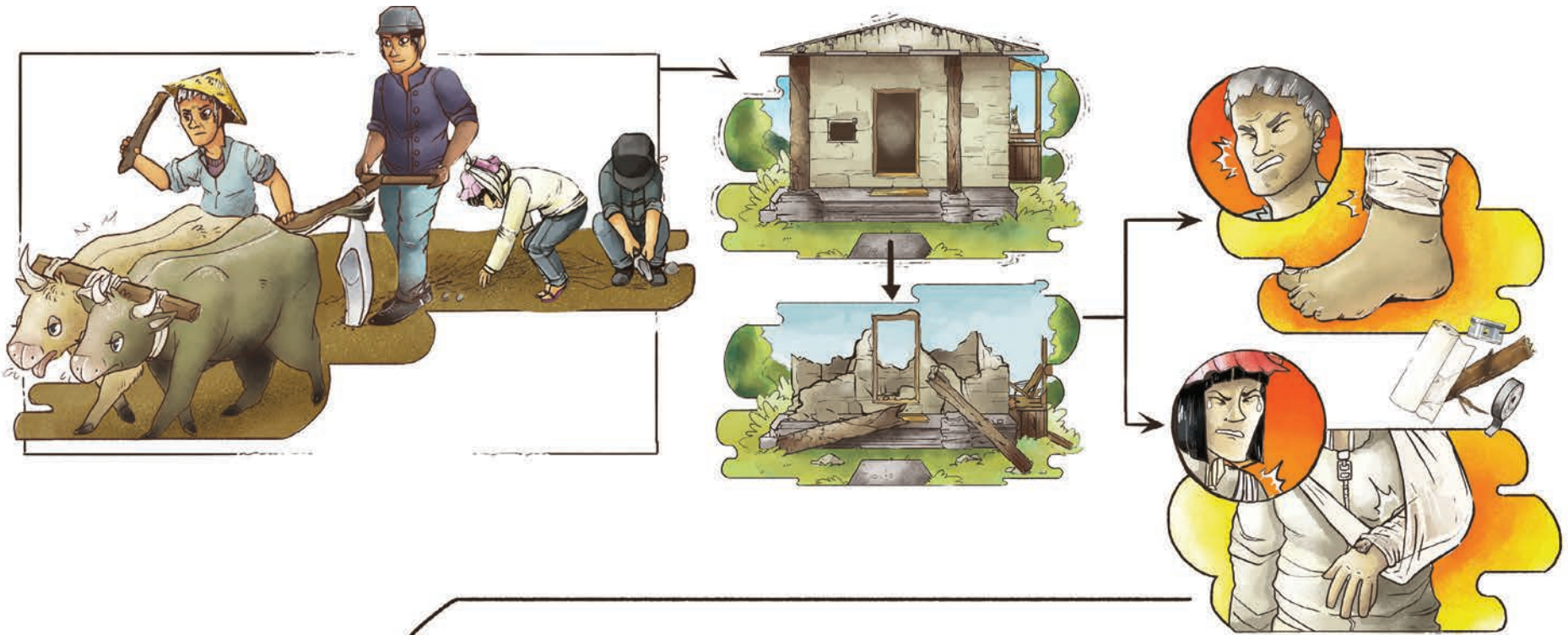


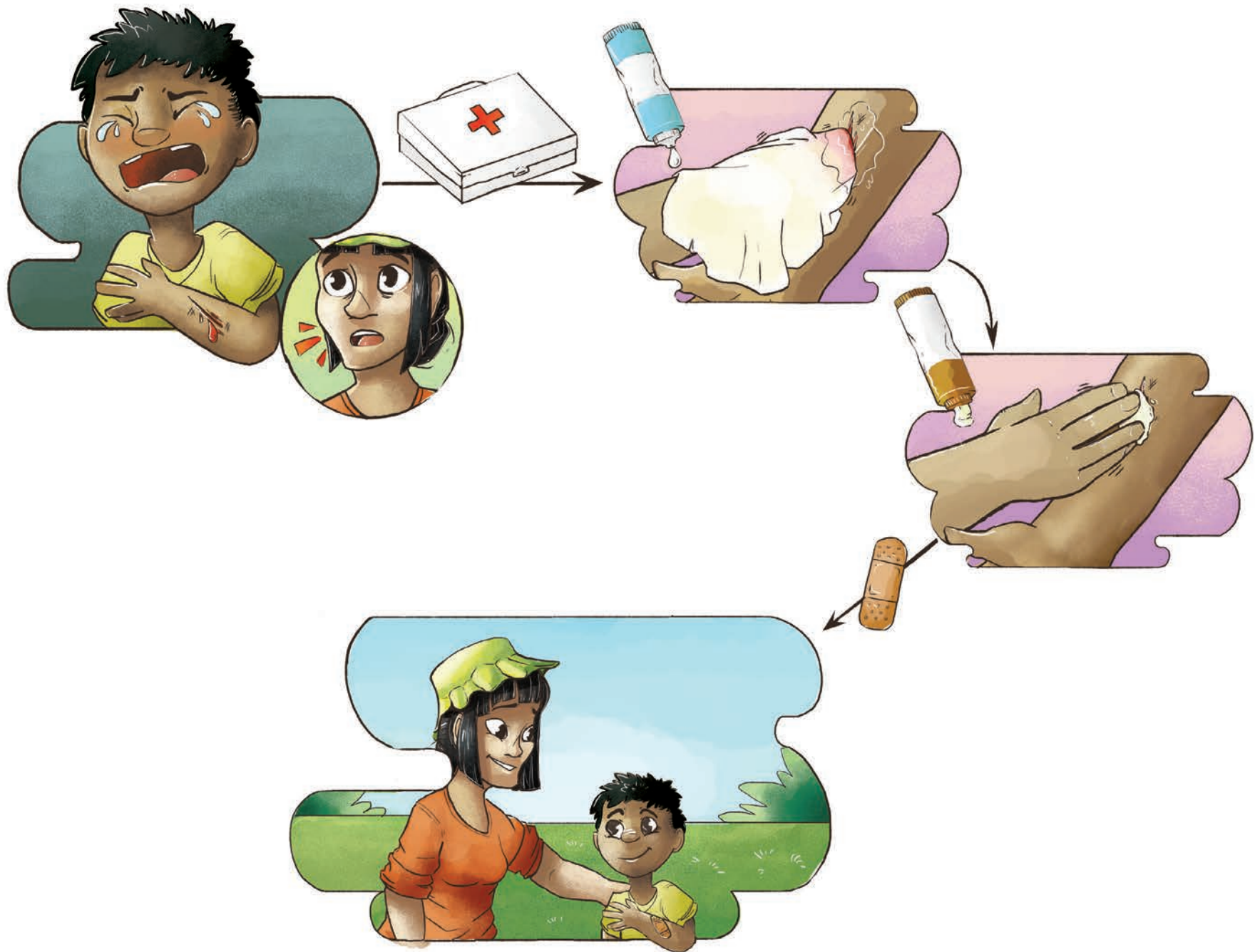












Bonus Chapter: *Alternate Versions*

