



## Review and Reflect

### Review

1. Compare and contrast the extraction methods you used in this investigation.

### Reflect

2. What do you think is the most difficult step in the extraction process, and what evidence do you have for this?

### Thinking about the Earth System

3. Think about your model of mineral extraction with the egg. How does the extraction of minerals from the geosphere affect the biosphere?
4. Your model of the froth flotation process involved the use of water. How does mineral refining depend upon the hydrosphere?
5. Water used in mineral refining must be treated before being returned to the natural Earth system. How does the treatment of water reduce the impact that refining has on the hydrosphere? The biosphere? Show these relationships on your *Earth System Connection* sheet.

### Thinking about Scientific Inquiry

6. Give an example of how you collected and managed data during an investigation.
7. Think about your investigation into the iron content of cereals. Describe how you collected evidence to test your ideas.
8. When did you show evidence and reasons to others during one of your investigations? Why is this important in scientific inquiry?
9. Think about how you used models in this investigation. How were your models different from the real-world processes?

