

How Do Interactions among Earth's Spheres Vary Regionally?

▶ ES0108

Use another sheet of paper if you need extra space to write complete answers.

- 1 For each location, tell where crops get their water. What Earth sphere interactions does each image indicate?
- 2 Which of the two images more closely represents how crops are watered in your region?
- 3 Could plants or animals survive in each of these places? Describe interactions between the geosphere and the biosphere for each image.
- 4 Describe interactions between humans and the geosphere illustrated by the images.
- 5 In your region, what materials do humans take from the geosphere? What materials are returned to it?
- 6 Describe differences in interactions between the hydrosphere and the geosphere illustrated by these images.
- 7 Describe interactions between the hydrosphere and the atmosphere near the equator. Compare these with interactions between the hydrosphere and the atmosphere near the poles.
- 8 Describe interactions between the hydrosphere and atmosphere indicated by the evaporation rate for your location.
- 9 What is the Leaf Area Index for your own region in the image?
- 10 Describe interactions among the biosphere, hydrosphere, and atmosphere indicated for your region by this image.