

# Lesson 3

---

**ANSWER KEYS**

# Literacy Skill Q's

---

**Use Evidence from Text** The mountain climbers shown are climbing during a storm. What side of the mountain are they climbing? Support your answer with evidence from the text.

Sample answer: The climbers are on the side of the mountain that has more wind. That side usually is colder and has more precipitation than the other side.



# Literacy Skill Q's

---

**Explain** On what spheres does the biosphere depend? How?

Sample answer: It depends on the hydrosphere for water, the geosphere for minerals, and the atmosphere for air.

 **READING CHECK Cause and Effect** Which of Earth's spheres causes rocks to have unique shapes?

geosphere, atmosphere, and hydrosphere

# Literacy Skill Q's

---

**Explain** How are the geosphere, atmosphere, and hydrosphere interacting as air moves over a mountain?

Sample answer: The geosphere is affecting  
the movement of air (atmosphere).  
This changes the temperature,  
which causes changes in  
the water in the air  
(hydrosphere).



# Literacy Skill Q's

---

How might Earth's systems change if the ocean did not exist?

Sample answer: Not having an ocean would affect the water cycle, which would influence all of Earth's systems.

# Literacy Skill Q's

---

**Identify** Small particles released by volcanic eruptions block some sunlight from reaching Earth's surface for years. How would this affect the atmosphere, biosphere, and hydrosphere?

**Sample answer: The blocked sunlight**

would result in cooler temperatures in the atmosphere, which may affect the kinds of precipitation. Water may freeze in certain places if the temperature is cool enough. Some living things may die.