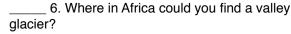
## Brainpop—Glaciers

Name: Period:

Watch the Brainpop on glaciers, then answer the questions below.

	1. What happens when laye	rs of snow keep
piling	up?	

- a. the bottom layers are compressed into ice
- b. the top layers melt into water
- c. the top layers are compressed into ice
- d. the bottom layers melt into water
- 2. When does glacial movement begin?
  - a. when the top layers of a glacier outweigh the bottom layers
  - b. when an entire whole snow mound is frozen solid
  - c. when it gets below 0 degrees Celsius
  - d. when the bottom layer of snow becomes slippery and putty-like
- \_ 3. How do glaciers erode land?
  - a. by picking up soil and rocks and depositing them in new locations
  - b. by picking up water from lakes and streams and carrying it to the ocean
  - c. by causing rain and snow in an area
  - d. by lowering the atmospheric pressure, causing intense windstorms
- \_\_\_\_\_ 4. Which of the following is a sign that a valley glacier has moved through an area?
  - a. pock-marks
  - b. striations and grooves
  - c. water deposits
  - d. large boulders
- \_\_\_\_\_ 5. A cirque is shaped like which of the following objects?
  - a. a shovel
  - b. a soda can
  - c. a bowl
  - d. a basketball



- a. in a crater
- b. in a warm valley
- c. in a frozen valley
- d. on a frozen mountain peak
- \_\_\_\_\_ 7. Which of the following terms best describes how glaciers move?
  - a. quickly
  - b. gradually
  - c. aggressively
  - d. rapidly
- \_\_\_\_\_ 8. How are valley glaciers different from continental glaciers?
  - a. they require less snow and can form at warmer temperatures
  - b. they are only found in valleys
  - c. they require more snow and form at colder temperatures
  - d. they cannot erode a landscape
  - 9. When do aretes and horns form?
    - a. when a valley glacier moves down a mountainside
    - b. when a continental glacier drags rocks along with it
    - c. when two or more glaciers erode a mountain summit
    - d. when the temperature gets cold enough
- \_\_\_\_\_ 10. Which of the following is a true statement about glaciers?
  - a. they often move at a rate of 2 kilometers per hour
  - b. they exist on every continent except Africa
  - c. North America is covered by valley glaciers
  - d. Antarctica is covered with continental glaciers

Look at the cartoons from the video. Describe two types of geologic evidence that glaciers leave behind after they have melted.



