

# Brainpop—Weathering

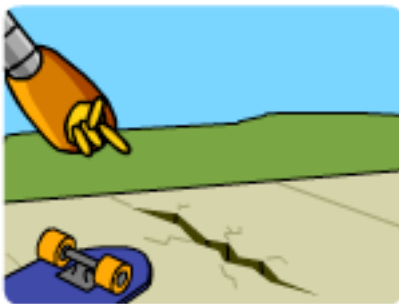
Name:

Period:

Watch the Brainpop on weathering, then answer the questions below. You can also look in Chapter 8 for help.

- \_\_\_\_\_ 1. What is weathering?
- a. a process that breaks down rocks into smaller pieces
  - b. a shift in weather patterns
  - c. the process by which mountains are formed
- \_\_\_\_\_ 2. What impact does weathering have on soil formation?
- a. chemical weathering adds helpful chemicals to the soil
  - b. rocks are broken down into smaller pieces, and finally into sediment
  - c. mechanical weathering adds ice to the soil, which turns into water
- \_\_\_\_\_ 3. What types of rocks are formed by weathering?
- a. metamorphic rocks
  - b. igneous rocks
  - c. sedimentary rocks
- \_\_\_\_\_ 4. How might a weathered mountain appear different than an unweathered mountain?
- a. the weathered mountain would be taller
  - b. the weathered mountain would appear rounder in shape
  - c. the weathered mountain would appear more jagged
- \_\_\_\_\_ 5. What might cause mechanical weathering?
- a. acid rain
  - b. violent earthquakes
  - c. growing plants and expanding ice
  - d. volcanic eruptions

- \_\_\_\_\_ 6. What can you infer about ice from the information presented in the movie?
- a. ice usually causes chemical weathering
  - b. ice expands as it freezes
  - c. ice barely causes weathering at all
  - d. ice does not exert pressure on rocks
- \_\_\_\_\_ 7. How is mechanical weathering different from chemical weathering?
- a. chemical weathering happens faster than mechanical weathering
  - b. chemical weathering happens in warmer climates than mechanical weathering
  - c. chemical weathering occurs in mountains; mechanical weathering occurs on flat surfaces
  - d. chemical weathering changes the chemical composition of materials; mechanical weathering does not
- \_\_\_\_\_ 8. What process hollows out limestone caves?
- a. mechanical weathering
  - b. chemical weathering
  - c. ice weathering
  - d. volcanic weathering
- \_\_\_\_\_ 9. How long does the weathering process take?
- a. a few days
  - b. no more than a month
  - c. exactly one year
  - d. years and years



Look at the cartoon from the video. What does the crack in the sidewalk Moby is pointing to have to do with weathering?