

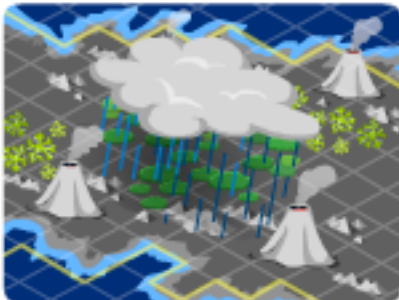
## Brainpop—Seedless Plants

Name:

Period:

Watch the Brainpop on seedless plants and answer the questions below. You can also use Chapter 12, Section 2 to help you.

- \_\_\_\_\_ 1. Why is a bird not considered to be an autotroph?
- its cells don't contain nuclei
  - its cell walls aren't made of cellulose
  - it doesn't produce its own food
- \_\_\_\_\_ 2. What can you infer from the fact that seedless plants don't produce seeds?
- seedless plants don't produce flowers
  - seedless plants don't contain chlorophyll
  - seedless plants don't have roots
  - seedless plants don't need water
- \_\_\_\_\_ 3. Why is the wind a better method of dispersal for spores than for seeds?
- the protective coatings on seeds are resistant to the wind
  - spores are usually much smaller and lighter than seeds
  - seeds are released closer to the ground
  - plants release spores only when it is windy
- \_\_\_\_\_ 4. Which common object best illustrates the way in which a bryophyte obtains water?
- a straw
  - a funnel
  - a sponge
  - a cup
- \_\_\_\_\_ 5. Why are rhizoids helpful to the survival of certain seedless plants?
- the rhizoids allow the plants to survive in areas with little or no water
  - the rhizoids allow the plants to survive in areas with little or no sun
  - the rhizoids allow the plants to survive in areas with little or no soil
- \_\_\_\_\_ 6. Mosses and liverworts are often called "pioneer species" in harsh environments. What does "pioneer" mean in this case?
- the first to discover a fact
  - the first to invent a device
  - the first to popularize a trend
  - the first to settle in an area
- \_\_\_\_\_ 7. What does a fern have in common with an apple tree?
- both were around during the Paleozoic era
  - both have specialized channels for transporting water
  - both produce seed-bearing fruit
  - both are vascular seedless plants



Think about the video game that Moby and Tim were playing. After they added some seedless plants to the lava terrain, it was easier to add other plants. How do seedless plants eventually help other plants to grow?