INSECT INVASION! Page 14
DIRECTIONS: Choose the best words or phrases from the box below to fill in the blanks in the following sentences.

bark beetle  drought  entomologist  mycologist  warm
carbon dioxide  entomologist  fungi  North America  Washington
climate change  fungi  human activity  oxygen  whitebark pine trees
cold  human activity  resin  resin  xylem

1. Mountain pine beetles used to live only in western ____________________________

2. A(n) ____________________________ is a scientist who studies insects.

3. Bark beetles have a symbiotic relationship with ____________________________.

4. Normally, sticky ____________________________ helps trees protect themselves against bark beetles.

5. Populations of bark beetles thrive in ____________________________ temperatures.

6. Experts think that ____________________________ is to blame for the release of heat-trapping greenhouse gases in recent years.

7. ____________________________ is one example of a heat-trapping gas.

8. Scientists have noticed that trees that survive bark beetle invasions are also better able to withstand the dry conditions present during a ____________________________.

9. ____________________________ provide important food for grizzly bears and Clark's nutcrackers in Yellowstone National Park.

10. Some scientists think bark beetle invasions may actually help create forests that can withstand ____________________________

THE MARTIAN, Page 20
DIRECTIONS: Read each statement and decide whether it is true (T) or false (F). Write your response in the space provided.

1. Scientists hope to send astronauts to Mars within the next 25 years.  

2. The distance from Earth to Mars regularly changes by more than 100 million miles.

3. The most difficult part of planning a mission to Mars is finding a rocket that can reach the planet.

4. Astronauts would have to purify urine to drink because there is no water on Mars.

5. Mars has a thicker atmosphere than Earth, causing temperatures to fluctuate drastically.

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CAN BANANAS SAVE AMERICA’S BATS? Page 8
DIRECTIONS: Match each item in the left-hand column below with its definition or description in the right-hand column.

1. white-nose syndrome
   a. a fungus that thrives in cold, dark, damp environments

2. Rhodococcus rhodochrous
   b. a group of bats living together

3. colony
   c. a chemical that evaporates easily at room temperature

4. hibernation
   d. a disease that is wiping out millions of bats

5. volatile organic compound
   e. bacterium found in soils around the world

6. Pseudogymnoascus destructans
   f. a state of inactivity during the winter

TEEN MUMMY, Page 12
DIRECTIONS: Answer the following questions in complete sentences.

1. According to the article, why were the hair, teeth, and nails of Egtved Girl preserved?

2. When do scientists think Egtved Girl lived?

3. What evidence was used to determine when she lived?

4. Explain what a strontium signature is.

5. How does strontium end up in human remains?

6. What is one reason that scientists believe Egtved Girl may have been a religious leader?

7. Describe how the strontium signature changes in different parts of Egtved Girl’s hair.

8. What led scientists to conclude that the teenager was born in Germany?