

Name \_\_\_\_\_ Date \_\_\_\_\_

#### 4.6g Distinguish Between Fact & Opinion Assessment

**Directions:** Read the paragraph. Answer each question.

##### The Whys of Weather: Clouds

Adapted from Readworks

Have you ever looked up at clouds and wondered where they come from or what they are made of? Clouds can be different shapes, but they are all mostly made of water.

There are always small particles of water in the air that people can't see. A lot of these tiny particles of water are in the form of a gas called water vapor. Most of the water vapor in the air comes from the oceans. This happens when liquid water toward the surface of the oceans is warmed, usually by the sun. Eventually, the warmed water becomes water vapor, rising into the air.

To make clouds, the water particles in the air have to come together, but they can't come together as water vapor. They need to be liquid water or ice crystals. Water vapor can turn into liquid water through a process called condensation.

In the air, liquid water can stick to specks of dust, water drops, or ice crystals. This forms cloud droplets. Lots of cloud droplets together form clouds. Clouds can help you use your great imagination!

1. Which sentence is not a fact?
  - A. Clouds are mostly made from water.
  - B. Water vapor rises into the air.
  - C. Lots of droplets together form clouds.
  - D. Looking at clouds is very relaxing.
  
2. Which sentence from the article is an opinion?
  - A. Water particles have to come together as water vapor.
  - B. Liquid water sticks to dust, water drops and ice crystals.
  - C. Clouds can help you use your great imagination!
  - D. Clouds are mostly made of water.

**Hidden from view**  
Adapted from Readworks

**Changing Colors**

Some animals, like chameleons, have skin color that can change. Those animals change their skin color to hide from their enemies. The animal's skin color changes to blend into its setting, such as a tree's bark. Chameleons are fascinating animals.

**Matching Colors**

Animals have awesome colors. Some animals, like gecko lizards, have colors that match their settings. Those animals use matching colors to hide from their enemies. The animal's color matches its setting, such as snow or rock.

**Body Shape**

Some animals, like katydids, have special body shapes. Their bodies can look like leaves or sticks. The animal's body shape helps it hide from its enemies. These animals look weird.

**Fur Patterns**

Some animals, like tigers, have special patterns in their fur that match their settings. The special pattern helps the animal hide from its enemies. The patterns can look like grass.

**Directions: Identify these sentences as fact or opinion.**

|   |                      |
|---|----------------------|
| 3. Animals use the matching color of their surroundings to hide from their enemies. | <input type="text"/> |
| 4. Animal's skin color can change to help it blend into its setting.                | <input type="text"/> |
| 5. Some animals look weird but can be fascinating.                                  | <input type="text"/> |

### Finding an Earthquake's Epicenter

*This text is excerpted from an original work of the Core Knowledge Foundation.*

All earthquakes begin with huge blocks of rock moving along faults. The place in Earth's crust where this happens is an earthquake's focus. Think of it as the earthquake's heart, the source of seismic waves. The focus may be deep in the crust or close to the surface.

The epicenter is the point on Earth's surface directly above an earthquake's focus. Some kinds of seismic waves produced by earthquakes travel deep into Earth's interior. Surface waves, however, are seismic waves that are first noticeable at the epicenter. During an earthquake, surface waves are what make the ground shake, heave, sway, and lurch. They are the cause of most earthquake damage.

Scientists use tools called seismographs to record the shaking of Earth's surface caused by seismic waves. The time it takes for seismic waves to reach a seismograph is important in determining where the earthquake occurred. The longer seismic waves take to reach a seismograph, the farther away the earthquake is from the seismograph.

**Directions:** Select the three correct answers.

6. Choose the three facts.

|   |  |
|---|--|
| The epicenter of an earthquake is the point directly above an earthquake's focus. | Surface waves are what make the ground shake, heave, sway, and lurch.  |
| Earthquakes are very exciting and scary at the same time.                         | The longer a seismic wave takes to reach a seismograph, the farther away the earthquake is from the seismograph. |

7. Which sentence is an opinion?

- A. All earthquakes begin with huge blocks of rock moving along faults.
- B. Some kinds of seismic waves produced by earthquakes travel deep into Earth's interior.
- C. Earthquakes are the hardest type of natural disaster to predict.
- D. Surface waves are seismic waves that are first noticeable at the epicenter

8. **Read this paragraph.**

**When you go to gym class, you need to wear gym shoes. White gym shoes are always the best. The gym teacher makes everyone do exercises. On Fridays, he plays music while you play team games.**

**Which sentence from the paragraph is an opinion?**

- A White gym shoes are always the best.
- B When you go to gym class, you need to wear gym shoes.
- C The gym teacher makes everyone do exercises.
- D On Fridays, he plays music while you play team games.

9.

**Read this paragraph.**

**Chocolate milkshakes taste better than vanilla milkshakes. A small milkshake has more calories than a medium banana. There are only three milkshake flavors worth drinking. Every fourth grade boy likes chocolate milkshakes best.**

**Which sentence from the paragraph is a fact?**

- A Chocolate milkshakes taste better than vanilla milkshakes.
- B A small milkshake has more calories than a medium banana.
- C There are only three milkshake flavors worth drinking.
- D Every fourth grade boy likes chocolate milkshakes best.

10.

**Read this paragraph.**

**Fried food may taste good, but doctors say it is very unhealthy. Eating baked potato wedges is healthier than eating fried potatoes. Baked chicken nuggets are not as greasy as fried nuggets. When you get used to baked food, fried food will taste awful.**

**Which sentence from the paragraph is an opinion?**

- A Baked chicken nuggets are not as greasy as fried nuggets.
- B When you get used to baked food, fried food will taste awful.
- C Eating baked potato wedges is healthier than eating fried potatoes.
- D Fried food may taste good, but doctors say it is very unhealthy.