

## Exam Practice: Unit 4

### Lesson 1 Weather Patterns

1) What the air is like at a certain time and place is \_\_\_\_.

wind

atmosphere

weather

2) Water (rain) that falls from the atmosphere is called \_\_\_\_.

precipitation

temperature

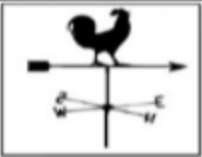




wind

3) Precipitation, wind, and air pressure are all ways to describe the weather?

True

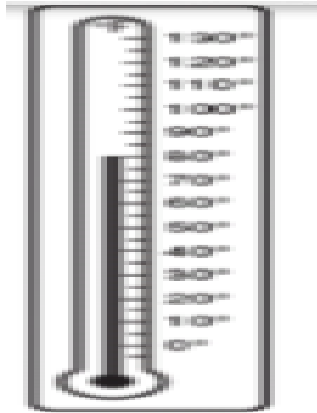
False

4) Match

	<b>Weather vane</b>	Measure wind speed
	<b>anemometer</b>	Measures amount of precipitation
	<b>Barometer</b>	Measures air temperature
	<b>Thermometer</b>	Measures air pressure
	<b>Rain Gauge</b>	Determines wind direction

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5. What temperature (in degrees Fahrenheit) does the thermometer show?



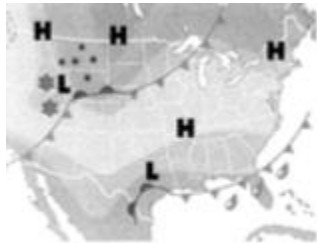
20°F

40°F

60°F

80°F

6) Callie's grandmother showed her a weather map in the newspaper. Which information can be found on a weather map?



amount of pollution in the air

air pressure and precipitation

### Lesson 2 Weather and Seasons

1) Different seasons are caused by the spinning of the Earth on an imaginary line called its \_\_\_\_\_.

hemisphere

axis

rod

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2) Earth has ----- seasons.

1                      4                      6                      3

3) Places high up in the mountains have ----- climates than lower areas.

colder

warmer

4) Brazil's temperature is between 70- and 80-degrees Fahrenheit all year long. Parts of Brazil are very wet and get around 6.5 feet of rain each year.

Indonesia has temperatures between 79- and 82-degrees Fahrenheit all year long. There can be up to 10 feet of rainfall each year.

Which conclusion can be made about Brazil and Indonesia?

A. Brazil and Indonesia must be located at the same latitude because their climates are similar.

B. Brazil and Indonesia must be located very close to one another because their climates are similar.

5) A cold and wet climate will probably receive ----- precipitation.

very little

a lot of

6). Which best describes climate?

temperature and seasons

average precipitation and temperature

7) Because of the Earth's -----, the Sun's rays strike the Earth at different angles.

rotation

tilt

8) Snow, sleet, or hail is a kind of precipitation that might fall on a very cold day?

True

False

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9) The pattern of seasonal weather that happens year after year is called \_\_\_\_\_.

weather

season

climate

10) The chart shows the weather recorded for four different days throughout the year.

Day	Temperature	Conditions
1	hot	sunny
2	cold	snowy
3	cool	sunny
4	warm	windy

In which season did each day **most likely** occur?

	Winter	Spring	Summer	Fall
Day 1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Day 2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Day 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Day 4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Lesson 3: Natural Hazards

1) Which natural hazard often causes another natural hazard?

An earthquake often causes a drought.

A hurricane often causes a flood.

2) An earthquake causes ----- that are strongest near the center.

Vibration

Water

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**3) Which natural hazard might cause a landslide when the ground shakes?**

**pollution**

**forest fire**

**earthquake**

**4) Which is a funnel cloud that causes damage on land?**

**hurricane**

**thunderstorm**

**tornado**

**5) Flash floods are floods that happen with a rise in water level.**

**very slow**

**very fast**

**6) A large storm that forms over an ocean is called a \_\_\_\_.**

**thunderstorm**

**tornado**

**hurricane**

**7) A storm with lots of snow, cold temperatures, and strong winds is called a \_\_\_\_.**

**thunderstorm**

**tornado**

**blizzard**

**8). Wildfires can occur from in the forest.**

**rising water**

**lightning strikes**

**9) A tornado is an example of a \_\_\_\_.**

**natural hazard**

**landslide**

**man-made event**

**10) What can cause a landslide?**

**drought**

**magnetic force**

**gravity**

### **Lesson 4: Preparing for Natural Hazards**

**1) Which of the following is not a way that can lessen the damage a hurricane can cause?**

**a) Floodwalls can be reinforced using permanent or temporary methods.**

**b) Windows can be taped to prevent them from breaking into many dangerous pieces.**

**c) Doors are left open to allow the wind to blow through buildings.**

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- 2) A -----protects buildings and other structures from lightning strikes.

levee

lightning rod

- 3) Which of the following might a lightning rod prevent?

a flood

an earthquake

a fire

- 4) Evacuation(leaving) of an area before a----- can be a way to stay safe from harm.

Blizzard

hurricane

- 5) A -----is a temporary wall built to prevent flooding in an area

Flood wall

Levee

- 6) Cities that do not have buildings constructed to withstand earthquakes \_\_\_\_\_.

- a) can suffer a lot more damage than another city that does have them.
- b) will likely not suffer any damage.

- 7) To help prevent the risk of -----, workers will clear the dead wood from a forest.

wildfire

earthquake

- 8) During earthquakes if you are indoors, duck underneath a table or doorway and stay away from walls and windows.

True

False

- 9) During earthquakes if you are outside, stay away from anything that may fall, such as trees, or power lines.

True

False

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10) What would show that the lightning rod is successful?

- a) The lightning rod is hit by lightning during a storm and catches fire.
- b) Lightning hits the lightning rod on the building instead of hitting the building.

11) Levees can be used to prevent damage from-----

floods                      Earthquakes

12) Bridges can be built to bend without breaking to prevent damage in a(n) -  
-----.

earthquake                      flood

13) A group of students are designing a model house that is safe in strong  
Which house would be the safest?

- a) A house built out of bricks.
- b) A house built out of toothpicks.
- c) A house built out of linking cubes.

### Additional Practice

#### Weather Patterns

<https://www.liveworksheets.com/4-xa985452xf>

<https://www.liveworksheets.com/zf1709598ba>

<https://www.liveworksheets.com/yl1991801dq>

#### Weather and Seasons

<https://www.liveworksheets.com/4-ym1010116oq>

#### Natural Hazards and the Environment

<https://www.liveworksheets.com/4-bk1023725aq>