



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

1 Kevin noticed by watching the weather reports that when the **humidity was high, more clouds formed in the sky** than on the days when the humidity level was low. **Which equation below supports this fact?**

- A high humidity = clear skies
- B moisture = nothing to do with clouds
- C less moisture in air = more clouds develop
- D more moisture in air = more clouds develop

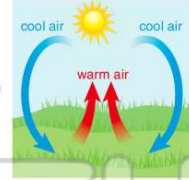
3 A small weather system that has **intense energy** which creates **heavy rains, high winds, and lightning** is called a



- A hurricane
- B thunderstorm

2 What happens when **cold air surrounds warm air** and the warmer air rises?

- A air moves north
- B air becomes stable
- C air becomes unstable
- D air forms ice crystals



4 Anne heard on the weather report that a storm was forming **over the ocean** with wind speeds **over 119 kilometers per hour**. What type of storm was Anne hearing about?



- A hurricane
- B tornado



## PREVIEW

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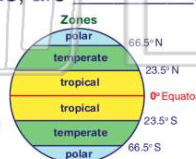
A amount of warm and cold fronts  
B air temperature and amount of precipitation  
C humidity and wind  
D location near cities or rural areas

- A landforms
- B deserts
- C clouds
- D nothing



9 The **three major climate zones** on Earth, divided mainly by **latitude**, are

- A continental, tropical, and maritime
- B continental, maritime, equatorial
- C polar, temperate, and tropical
- D polar, regional, and tropical



10 **Volcanic eruptions** and **air pollution**, such as carbon dioxide and other gases being constantly released into the atmosphere, can **cause**

- A instant change to Earth's climate
- B change to the Earth's orbit
- C changes in climate over long periods of time
- D all of the water on Earth to evaporate





## ANSWER KEY

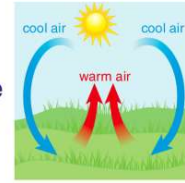
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(d)

What happens when cold air surrounds warm air and the warmer air rises?

- A air moves north
- B air becomes stable
- C air becomes unstable
- D air forms ice crystals



(c)

A small weather system that has intense energy which creates heavy rains, high winds, and lightning is called a

- A hurricane
- B thunderstorm
- C tornado
- D



(b)

Anne heard on the weather report that a storm was forming over the ocean with wind speeds over 119 kilometers per hour. What type of storm was Anne hearing about?

- A hurricane
- B tornado
- C tsunami



(a)



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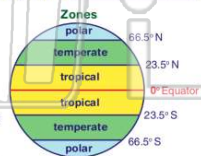
- B air temperature and amount of precipitation
- C humidity and wind
- D location near cities or rural areas

- B deserts
- C clouds
- D nothing



The three major climate zones on Earth, divided mainly by latitude, are

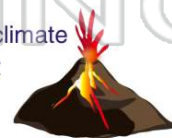
- A continental, tropical, and maritime
- B continental, maritime, equatorial
- C polar, temperate, and tropical
- D polar, regional, and tropical



(c)

Volcanic eruptions and air pollution, such as carbon dioxide and other gases being constantly released into the atmosphere, can cause

- A instant change to Earth's climate
- B change to the Earth's orbit
- C changes in climate over long periods of time
- D all of the water on Earth to evaporate



(c)