




Name _____ Class _____ Date _____


1 Which of the following **theories** is **not** used to explain the phenomenon of **ice ages**?

A the Milankovitch theory
B plate tectonics
C the Big Bang theory
D volcanic eruptions




2 How might explosive **volcanic eruptions** lead to an ice age?

A Volcanic eruptions release heat, thereby cooling the earth's crust.
B Volcanic ash is known to raise the freezing temperature of water.
C Volcanic eruptions shake the earth off of its natural path around the sun.
D Volcanic ash suspended in the atmosphere blocks out solar radiation and leads to lower temperatures.




3 One theory of glacial periods hypothesizes that a single landmass called **Pangaea** was positioned near the South Pole where large sheets of ice moved over the land. **When Pangaea broke apart, the landmasses moved closer to the equator, which ended the glaciation.** Many scientists **support** this theory.



4 Global warming is the **rise** of average **temperatures** across the globe. Some evidence suggests that it is caused by _____.

A the earth's rotation around the sun
B the tilt of the earth on its axis
C heat energy being



5



PREVIEW

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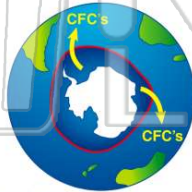
B trees and plants would die, so water they would've absorbed would run into the oceans
C increased global temperatures would cause the polar ice caps to melt thereby adding water to the oceans
D all of the above

A greenhouse layer
B ozone layer
C stratosphere
D troposphere



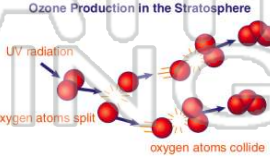
9 In the 1970s, scientists determined that chemicals called chlorofluorocarbons (CFCs) were destroying and literally leaving a **hole in the ozone** layer, leading to _____.

A an increase in global temperatures
B a decrease in global temperatures
C air pollution-related illnesses like asthma
D an increase in ultraviolet radiation from the sun



10 **Ozone** is made up of _____.

A one molecule of carbon and two molecules of oxygen
B one molecule of carbon and one molecule of oxygen
C two molecules of oxygen
D three molecules of oxygen





ANSWER KEY

Which of the following **theories** is **not** used to explain the phenomenon of **ice ages**?

- A** the Milankovitch theory
- B** plate tectonics
- C** the Big Bang theory
- D** volcanic eruptions



(C)

How might explosive **volcanic eruptions** lead to an ice age?

- A** Volcanic eruptions release heat, thereby cooling the earth's crust.
- B** Volcanic ash is known to raise the freezing temperature of water.
- C** Volcanic eruptions shake the earth off of its natural path around the sun.
- D** Volcanic ash suspended in the atmosphere blocks out solar radiation and leads to lower temperatures.



(d)

One theory of glacial periods hypothesizes that a single landmass called **Pangaea** was positioned near the South Pole where large sheets of ice moved over the land. **When Pangaea broke apart, the landmasses moved closer to the equator, which ended the glaciation.** Many scientists **support** this theory. **True or False?**



(a)

Global warming is the **rise** of average **temperatures** across the globe. Some evidence suggests that it is caused by

- A** the earth's rotation around the sun
- B** the tilt of the earth on its axis
- C** heat energy being trapped near the surface by gases



(C)

A
B
C
D



PREVIEW

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- A** would've absorbed would run into the oceans
- C** increased global temperatures would cause the polar ice caps to melt thereby adding water to the oceans
- D** all of the above

- B** ozone layer
- C** stratosphere
- D** troposphere



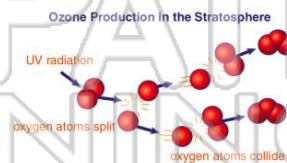
In the 1970s, scientists determined that chemicals called chlorofluorocarbons (CFCs) were destroying and literally leaving a **hole in the ozone** layer, leading to _____.



(d)

- A** an increase in global temperatures
- B** a decrease in global temperatures
- C** air pollution-related illnesses like asthma
- D** an increase in ultraviolet radiation from the sun

Ozone is made up of _____.



(d)

- A** one molecule of carbon and two molecules of oxygen
- B** one molecule of carbon and one molecule of oxygen
- C** two molecules of oxygen
- D** three molecules of oxygen