

Review Quiz for Climate Change due to Natural Causes

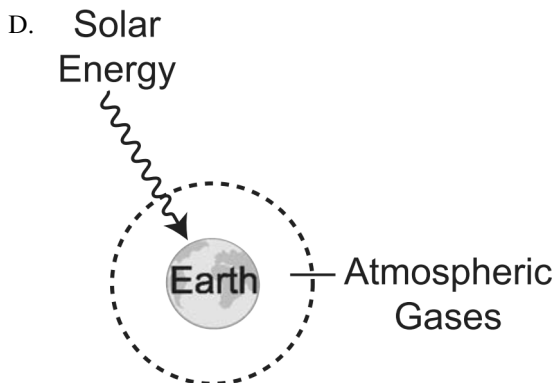
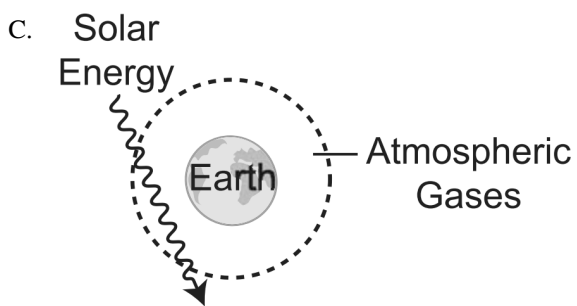
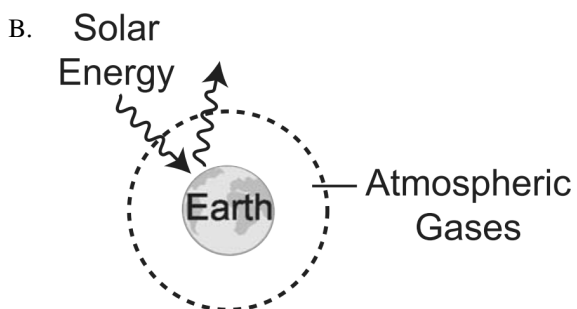
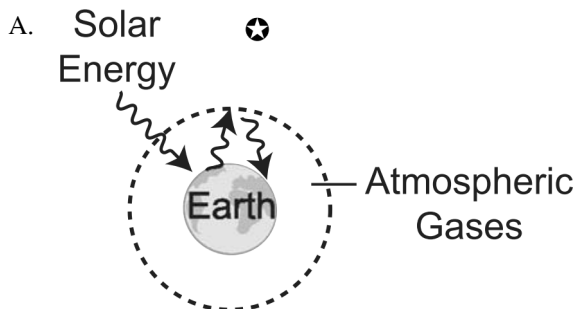
Name: _____

Date: _____

1. Which of the following occurs during an El Nino event?

- A. A change in the trade winds
- B. A change in the upwelling off the coast of South America
- C. A change in rainfall in Australia
- D. all of the previous

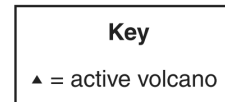
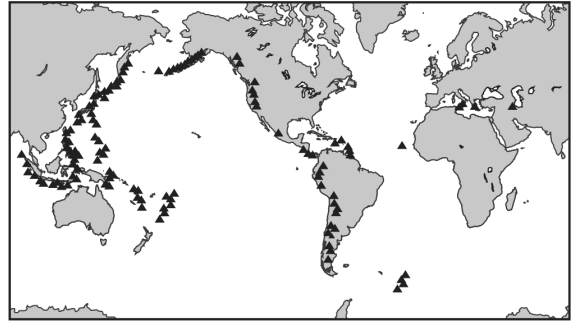
2. Which of the following pictures *best* represents the natural greenhouse effect?



3. Which theory *best* describes how an asteroid striking Earth may have caused the extinction of dinosaurs?
- A. Heat from the asteroid caused massive fires that reduced the food supply.
 - B. The collision caused volcanoes to erupt resulting in ash blocking the Sun and causing a global drop in temperature.
 - C. Land masses were altered by the collision, reducing the space where dinosaurs could roam for food.
 - D. Glaciers melted rapidly from heat produced by the asteroid, causing floods that destroyed dinosaurs' habitats.

4. Which natural event can dry out plants and cause wildfires?
- A. drought
 - B. earthquake
 - C. flood
 - D. tornado

5. The locations of active volcanoes are shown on the map below.



Which statement *best* describes how a major volcanic eruption in North America would affect Europe?

- A. Average temperatures would increase due to heat released during the eruption.
 - B. Ash released from the eruption would partially block sunlight and reduce crop yield.
 - C. Ash released from the eruption would fertilize the soil and improve crop yield.
 - D. Average temperatures would increase due to tropical air moving northward.
6. Which of the following has not been related to possible causes for periodic ice ages?
- A. Decreased sunspot activity
 - B. Plate tectonics
 - C. Periodic changes in Earth's Orbit
 - D. Increased solar eclipses
7. What is the cause of rising surface temperatures of the Pacific Ocean, drought in the western United States, and flooding on the Pacific coast of South America?
- A. the Gulf Stream
 - B. the jet stream
 - C. La Niña
 - D. El Niño

8. The natural greenhouse is a phenomenon that is beneficial as it results in _____.
- A. the maintenance of Earth's temperature
 - B. a thinning of Earth's atmospheric ozone layer
 - C. an increase in the amount of carbon dioxide in Earth's atmosphere
 - D. the bending of the rays of sunlight that penetrate Earth's atmosphere

9. Scientists found evidence of past glacial activity in Massachusetts. Which of the following conclusions is *best* supported by this evidence?
- A. Sea levels were much higher in the past.
 - B. The climate on Earth has changed over time.
 - C. Total numbers of organisms on Earth have changed over time.
 - D. The total amount of radiation from the Sun was much higher in the past.
10. Which condition in the ocean is *most* responsible for an increase in the fish population near the surface?
- A. buoyancy
 - B. density
 - C. salinity
 - D. upwelling