

Directed Reading A

Section: Changes in Climate

1. Why would you NOT notice a change in climate?

2. What two factors can make the climate change?

ICE AGES

3. A period when ice collects in high latitudes and moves to lower latitudes is

a(n) _____.

4. The period of an ice age when huge sheets of ice advance and cover large areas is a(n) _____ period.

5. Why does the sea level drop during times when ice covers large areas of the Earth?

6. The period of an ice age when ice begins to melt and the sea level rises is

a(n) _____ period.

7. Changes in the Earth's orbit and the tilt of the Earth's axis cause ice ages.

This theory is called the _____.

Directed Reading A continued

8. Explain the difference in the Earth's climate changes when the Earth's orbit changes from elliptical to circular.

9. What was *Pangaea*?

VOLCANIC ERUPTIONS

10. Which of the following explains why volcanic eruptions influence climate?

- The heat of lava makes the land warmer.
- Fire from the volcano warms the air around it.
- Dust, ash, and smoke from the eruption block the sun's rays.
- The volcano's elevation cools the air near the top.

ASTEROID IMPACT

11. A small, rocky object that orbits the sun is called

a(n) _____.

12. Explain how an asteroid could have caused the dinosaurs to become extinct 65 million years ago.
