

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

# Video worksheet: Cosmos "Lost Worlds of Planet Earth"

## BIOLOGY: UNIT 5

**Directions:** Answer the questions as you watch episode 9 of Cosmos: A Spacetime Odyssey.

1. On what day of the "cosmic calendar" is 350 million years ago?
2. Why could insects grow to be so much larger 350 million years ago than they can today?
3. How big was most vegetation on land before trees evolved?
4. Where were the eruptions centered during the mass extinction in the Permian Period?
5. The lakes that broke apart the great supercontinent turned into what eventually?
6. How much of the Earth lies beneath 1000 feet of water?
7. What is the name of the deepest canyon on Earth and how deep is it?
8. What is the process bacteria use in the trenches in order to make food when sunlight doesn't reach that far?

9. What is the core of the Earth made of?

10. What two things keep the mantle a molten liquid?

11. How long were dinosaurs on the Earth?

12. What two adaptations did early human ancestors develop in order to swing from trees and to travel short distances?

13. What caused the Earth to tilt on its axis?

14. How did the human ancestors get to North America?

15. How long is the current intermission in the Ice Age projected to last?

16. How long has the unbroken "string of life" been going?