Name: _____ Date: _____

Chapter 1 Plate Tectonics

1. The layer of rock that forms Earths outer surface.

2. A dark dense, igneous rock with a fine texture found in oceanic crust.

3. The layer of hot, solid material between Earth's crust and core.

4. A rigid layer made up of the uppermost part of the mantle and the crust.

5. The soft layer of the mantle on which the lithosphere floats.

6. A layer of molten iron and nickel that surrounds the inner core of Earth.

7. A dense sphere of solid iron and nickel at the center of the Earth.

8. The transfer of heat within a material or between material that are touching.

9. The hypothesis that the continents slowly move across Earth's surface.

10. The name of the single land mass that broke apart 200 million year ago, and gave rise to today's continents.

11. A trace of an ancient organism that has been preserved in rock.

12. A undersea mountain chain where new ocean floor is produced; a divergent plate boundary.

13. The process by which molten material adds new oceanic crust to the ocean floor.

14. A deep valley along the ocean floor beneath which oceanic crust slowly sinks sinks toward the mantle.

15. The process by which oceanic crust sinks beneath a deep-ocean trench and back into the mantle at convergent plate boundary.

16. A section of the lithosphere that slowly moves over the asthenosphere, carry piece of continental and oceanic crust.

17. The theory that pieces of Earth's lithosphere are in constant motion driven by convection currents in the mantle.

18. A plate boundary where two plates move away from each other.

19. A plate boundary where two plates move toward each other.

A. lithosphere

B. sea-floor spreading

C. subduction

D. Pangaea

E. fossil

F. outer core

G. deep-ocean trench

H. conduction

I. crust

J. convergent boundary

K. basalt

L. plate

M. plate tectonics

N. mid-ocean ridge

O. inner core

P. transform boundary

Q. asthenosphere

R. mantle

S. divergent boundary

20. A plate boundary where two plates move past each other in opposite directions.

T. continental drift