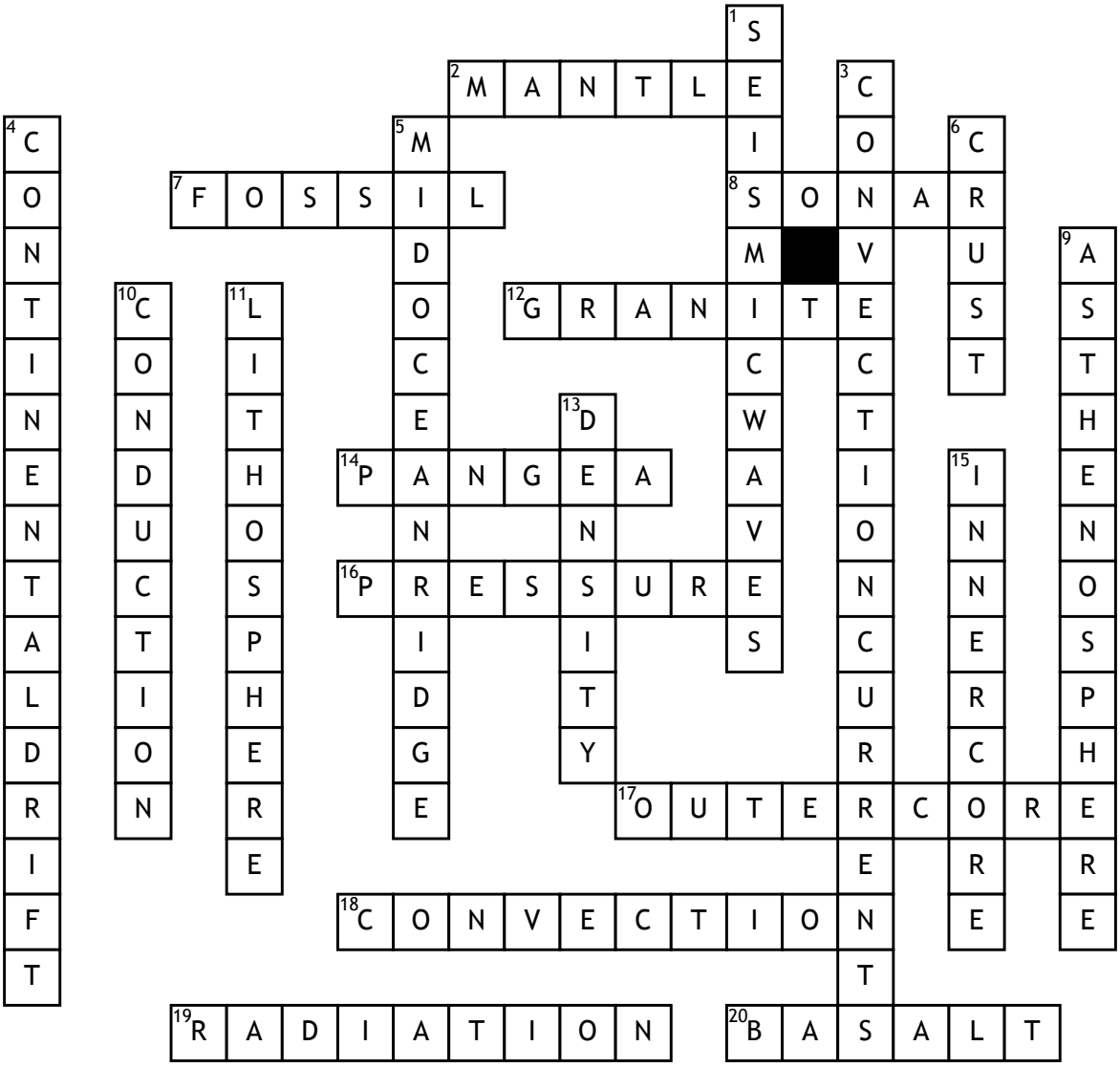
Name: _____ Date: _____

# Plate Tectonics



**Across**

**2.** The layer of hot, solid material between Earth's crust and core.
**7.** The trace or remains of an organism that lived long ago, most commonly preserved in sedimentary rock.
**8.** A measuring instrument that sends out an acoustic pulse in water and measures distances in terms of the time for the echo of the pulse to return.
**12.** A usually light colored igneous rock that is found in continental crust.
**14.** Large super continent that existed 250 million years ago.
**16.** The result of a force distributed over an area.
**17.** A layer of molten iron and nickel that surrounds the inner core of Earth.
**18.** The transfer of heat by the movement of a fluid.
**19.** The transfer of energy through space.
**20.** A dark, dense, igneous rock with a fine texture, found in oceanic crust.

**Down**

**1.** Vibrations that travel through Earth carrying the energy released during an earthquake.
**3.** Circular currents in the mantle caused by the magma being heated by the core off the Earth.
**4.** The hypothesis that the continents slowly move across Earth's surface.
**5.** An underwater mountain chain where new ocean floor is formed.
**6.** The layer of rock that forms Earth's outer surface.
**9.** The soft layer of the mantle on which the lithosphere floats
**10.** The direct transfer of heat from one substance to another substance that it is touching.
**11.** The solid, outer layer of the earth that consists of the crust and the rigid upper part of the mantle.
**13.** The amount of matter in a given space; mass per unit volume.
**15.** A dense sphere of solid iron and nickel at the center of Earth.