**Plate Tectonics Video Teacher Key**

1. It happens because hot rock rises, heated by the Earth’s \_\_\_\_\_core\_\_\_.

2. True or False: the cooler rock sinks below the Earth’s surface

3. What causes the continents to move?

The Earth’s crust is spreading apart

4. How is carbon dioxide returned from the sea floor to the atmosphere?

where the rocks collide, carbon on the sea floor is carried into the Earth where rocks that contain carbon melt and the carbon is returned to the atmosphere as carbon dioxide during an eruption

5. True or false: this entire process happens quickly