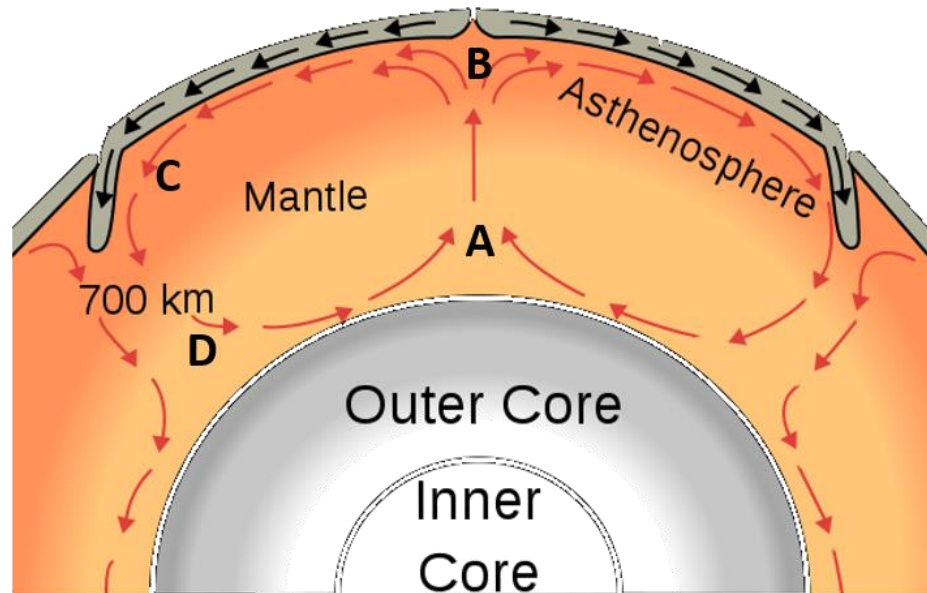


# GRAPHIC ORGANIZER: CONVECTION CURRENTS



**A**

Density of mantle material is less than material above it, so the materials begin to rise.

**B**

Rising material hits rigid lithosphere and cannot go up any further.

**C**

The force of gravity is causing denser material to fall.

**D**

Core heat causes temperature to rise, therefore decreasing the density of material

## CAUSE

Convection currents are caused by Earth's internal thermal energy causing mantle to heat, expand, and rise. As it gets closer to crust it cools, becoming denser and sinking forming a current.

## EFFECT

The convection currents act as a "conveyor belt" moving the plates of the lithosphere above.

## RESULT

The result of plates moving are earthquakes, volcanic eruptions, and building of mountains.