

Name: _____ Date: _____ Science: _____

Plate Tectonics Jigsaw/Study Guide

Listen to the others in the jigsaw group to fill in information for the plate boundaries that you did not study in your specialist groups. Fill in this study guide.

Divergent Boundaries:

Oceanic Crust vs. Oceanic Crust or continental vs. continental

What happens: The two plates move away from each other allowing magma from the mantle to rise up in between them. New crust is formed at this type of boundary.

Why does this happen? Convection currents in the mantle move the plates apart. Magma rises up to fill the space between the plates.

What physical feature(s) are formed? Underwater mountain ranges called ridges form when two oceanic plates diverge. A rift is formed when two continental plates separate.

Example: The Mid-Atlantic Ridge is an example of oceanic plate divergence and the Rift Valley in Africa is an example of two continental plates diverging.

Draw a picture of this type of boundary in the box below.

