Mapping the Earth's Plates and Plate Boundaries

Geology/Earth Science Mr. Traeger

Name: _____ Period: ____ Date: _____

Purpose

The purpose of this assignment is to become familiar with Earth's plates, plate boundaries, and the principal structures that form at the three different kinds of plate boundaries.

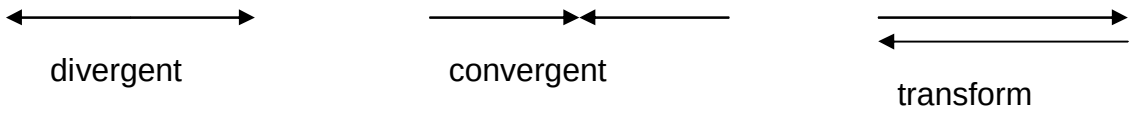
Materials

▪ World Map	▪ Earth Science textbook pages 512-513, 710-711, 712-713
▪ pencil	▪ colored pencils

Procedure

Do the following on the world map on the back of this sheet.

1. *Draw* in the boundaries for Earth's plates using the map on pages 712-713.
2. *Label* the Earth's plates using the map on pages 712-713.
3. *Indicate*, using arrows, whether the movement at the plate boundaries is convergent, divergent, or transform.



divergent convergent transform

4. *Label* each boundary as being divergent, convergent subduction, convergent collision, or transform.
5. *Label* the structures that form at the boundaries as seen on page 512-513. ie.) Mid-Ocean Ridge, East Pacific Rise, trench, etc.
6. *Label* where you would expect to see earthquakes, volcanoes, and mountain chains occurring.
7. Lightly color each plate a different color using colored pencils for extra credit.
8. Estimate the direction of plate movement based upon the interactions at the plate boundaries. Do this by drawing an arrow (⟶) in the center of the plate in the direction that the plate is traveling.