

Mapping the Earth's Plates and Plate Boundaries

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.

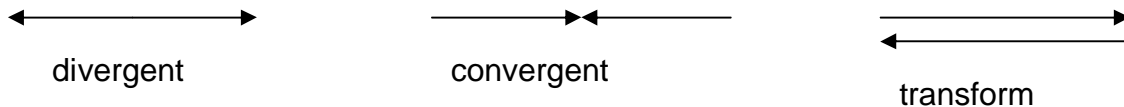
Materials

▪ World Map	▪ Earth Science textbook pages 247-254
▪ pencil	▪ colored pencils
▪ Plate boundaries website	▪

Procedure

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

1. *Color* the boundaries for Earth's plates using the map on the back. RED = convergent, GREEN = divergent, BLUE = transform.
2. *Indicate*, using arrows next to the plate boundary, whether the movement at the plate boundaries is convergent, divergent, or transform.



3. *Label* where you would find subduction zones, mountain chains, and spreading centers (mid-ocean ridges).
4. *Label* where you would expect to see earthquakes (use circles), volcanoes (use triangles), and mountain chains (use rectangles).
5. Lightly color each plate a different color using colored pencils for extra credit.
6. 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.