

PLATE TECTONICS LAB

Name _____ Block _____

Purpose:

- to illustrate the movement of lithospheric plates
- to distinguish between convergent, divergent, and sliding boundaries

Procedure:

1. Color the land green.
2. Color the divergent plate boundaries blue.
3. Color the convergent plate boundaries red.
4. Color the transform (sliding) boundaries yellow.
5. Label the pieces with the correct plate names.
6. Cut out the plates pieces.
7. Using the diagram on page 233 of your textbook as a guide, fit the pieces together and construct an accurate model of the tectonic plates.
8. Tape or glue the pieces in the space on the other side as they would appear on a map.

Questions:

1. Name two plates that meet at a convergent boundary.
2. What surface is being formed by the convergence of the plates you just named?
3. What type of boundary is formed by the South American and African Plates?
4. What surface feature is formed at the boundary of the North American and Eurasian Plates?
5. Along which two plates does the San Andreas Fault occur?
What type of boundary is this?
6. Speculate on the future size of the Atlantic Ocean and Pacific Ocean. What is your evidence for both of your predictions?
7. Based on the movement of the plates, explain the formation of the Red Sea.