

Plate Boundaries and Their Location

Using the map given in class and the textbooks, locate and label the different plates on the accompanying map. The map is in two sections and needs to be trimmed and taped into one large map. Be careful not to be messy. (**Bold** lettered names are major plates)

Indian/ Australian
Nazca
Antarctica
North American
African
Bismark/ Solomon

Philippines
Pacific
Eurasia
South America
Arabian
Juan de Fuca/ Gorda

Cocos
Fiji
Caribbean
Scotia

1. Using a **blue** pencil, go over the lines on the map that indicate **divergent** plate boundaries.
2. Using a **red** pencil, go over the lines that indicate **convergent** plate boundaries
3. Using a **green** pencil, go over the boundaries that indicate **transform** boundaries.
4. Using a **brown** pencil, shade in all the **land masses**.
5. Draw arrows in several locations on each plate that indicate the direction and movement of each plate.

Include velocity if possible. Use red, blue, and green arrows for the **appropriate** motion.

6. Which major plate does not bear the name of a continent? _____
7. List the names of the plates that bear the name of a single continent. _____
8. According to how the plates move in relation to one another, is the Pacific Ocean getting smaller or larger? Why? _____

9. Is the Atlantic Ocean getting larger or smaller? Why? _____

10. On your map locate and label the following trenches.

Kuril
Japan
Marianas

Peru-Chile
Java
Mid America

Philippines
Aleutian