## **Plate Boundary Features Activity**

**Directions:** google the underlined words to help you locate the features below. Zoom in on the below map to draw and label the following features. PLEASE use text boxes to write in.

- A. Draw the <u>San Andreas Fault</u> using a dashed **BLUE** line. Label the two plates that are involved along the fault and use arrows to show their relative motion.
- B. Sketch in **BROWN** and label in the mountains created by the collision between the <u>Indian and</u> <u>Eurasian Plates</u>. Label the plates.
- C. Draw a solid **BLACK** line along the <u>Mid-Atlantic Ridge</u> and label the ridge. Use arrows to show the relative direction of the sea floor on either side of the ridge.
- D. Label the youngest (Y) and the oldest (O) rocks that form the oceanic crust across the <u>Atlantic Ocean</u>.
- E. Use **RED** triangles to denote the position of the <u>Hawaiian Islands</u>. Label where the active hot spot is located and show the direction of the <u>Pacific Plate</u> at this point.
- F. Use **GREEN** triangles to mark the position of the <u>Cascade Mountains</u> in the <u>Pacific</u> <u>Northwest</u>. Label the <u>Juan de Fuca plate</u> and label the <u>Cascade Mountain range</u> that are involved and show their relative motions.
- G. Use **RED** triangles to denote the position of the Pacific <u>"Ring of Fire"</u>. Label the "Ring of Fire".
- H. Draw a solid **BLUE** line where the Pacific Plate is subducted against the <u>North American</u>, <u>Eurasian and South American Plates</u>. Hint: Google "Ring of Fire"
- I. Label the <u>Arabian Plate</u>, <u>Red Sea and Gulf of Aden</u>. Use arrows to show the relative direction of the <u>Arabian Plate</u> and the surrounding Plates.

