

Name: _____

Before you begin, be sure to notice the key at the bottom of the Plate Map. Understanding these symbols is critical to the completion of this assignment. Arrow directions will assist you in understanding the direction of plate movement.

1. Describe the plate motion that occurs at a Subduction Zone.

2. Using the terms: Convergent, Divergent or Transform boundary, name the type of plate motion that is occurring at the following plate boundaries:

a. Nazca and South American Plates _____

b. Antarctic and Indian-Australian Plates _____

c. Cocos and Caribbean Plates _____

d. Eurasian and Philippine Plates _____

e. Antarctic and Pacific Plates _____

f. North American and Eurasian Plates _____

g. North American and African Plates _____

3. Describe the plate motion that is occurring at a transform boundary. (what the plates doing?)

4. Find a transform boundary located within the North American plate and state the name of the tectonic event in this area.

5. Describe the types of features that occur at a zone of divergence (where there is a divergent boundary)

6. Find three locations where divergence is taking place. Name the ridge at each location. Also name the plates involved at each location (there may be more than 2 plates for each ridge so look carefully).

Location 1: Ridge: _____

Plates: _____

Location 2: Ridge: _____

Plates: _____

Location 3: Ridge: _____

Plates: _____