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ICS 1
Hamilton HS

# INTERPRETING A PLATE TECTONIC MAP
# EARTH SCIENCE STUDENT ASSIGNMENT

This is a printable worksheet. In this exercise you will interpret a Plate Tectonic Map Reference Table and answer questions based on the chart. In order to complete this exercise you will need to use the handout titled “Tectonic Plate Boundary Types”.

**Directions:**
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".
For example, look at **subduction** and you will see arrows coming towards each other. This means that at boundary locations represented by the subduction symbol, the tectonic plates are moving towards each other.
**Answer all questions in this exercise.**

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

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**2:** Using the terms: *Subduction*, *Divergence* and *Transform Boundary*, name the type of plate motion that is occurring at the following plate boundaries:

2a: the Nazca and South American Plates _____

2b: the Antarctic and Indian-Australian Plates _____

2c: the Cocos and Caribbean plates _____

2d: the Eurasian and Philippine Plates _____

2e: the Antarctic and Pacific Plates _____

2f: the North American and Eurasian Plates _____

2g: the North American and African Plates _____

**3:** Describe the *plate motion* that is occurring at a Transform Boundary.

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**4:** Find a *Transform Boundary* located within the Antarctic plate and state the name of the tectonic feature in this area.

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**5:** Describe the type of *plate motion* that occurs at a Zone of Divergence where plates are "rifting".

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