**Earth Science MAP ACTIVITY:**

**Directions:**

1. With the large map provided you will need to label the continents, oceans, and all plates present on the map resource you were provided (you will need to outline the plates as shown on the plates map resource provided). You will also need to draw lines of latitude and longitude on your maps to plot the following points listed below.
2. You will need to come up with a map legend with symbols representing your different plotted points on the map (Ex. Triangles for Mountains, for a Convergent plate boundary). Everything listed below must be present on the map with its corresponding symbol. You do not need to label the points, the symbol will clarify what it is.
3. You must use color on your map as well. Color continents and oceans first. I would recommend that you lightly shade those areas, so that your map symbols stand out on your map. I would also highlight plate boundaries, so that they stand out. When you put your arrows at your plate boundaries to illustrate how they move, it might be best to use black pen, so that it stands out as well when viewing your map.
4. Do everything in pencil first and then go over it in color (special pens, markers, etc.) YOU ONLY GET ONE MAP. BE CAREFUL ☺

\* You will be graded on creativity and effort, as well as being able to follow directions. Be neat and take your time!

**List of famous cities and volcanoes with their coordinates:**

* **Mt. St Helens 46ºN, 122ºW (volcano)**
* **Mauna Loa 19ºN, 155ºW (volcano)**
* **Mt. Vesuvius 40ºN, 14ºE (volcano)**
* **Mt. Fuji 35ºN, 138ºE (volcano)**
* **Raleigh, NC 35ºN, 78ºW (city)**
* **Miami, FL 25ºN, 80ºW (city)**
* **New York City, NY 40ºN, 73º W (city)**
* **Paris, France 48ºN, 2ºE (city)**
* **Rome, Italy 41ºN, 12ºE (city)**
* **Beijing, China 39ºN, 116ºE (city)**
* **Tokyo, Japan 35ºN, 139ºE (city)**
* **Sydney, Australia 33ºS, 151ºE**
* **London, United Kingdom 51ºN, 0ºW (city)**
* **Cairo, Egypt 30ºN, 31ºE (city)**
* **Cape Town, South Africa 33ºS, 18ºE (city)**
* **Jakarta, Indonesia 6ºS, 106ºE (city)**
* **Moscow, Russia 55ºN, 37ºE (city)**
* **Rio de Janeiro, Brazil 22ºS, 43ºW (city)**
* **Santiago, Chile 33ºS, 70ºW (city)**

**Famous Mountain Ranges: Label and represent with a symbol**

* **The Alps**
* **The Himalayan Mts.**
* **The Rocky Mts.**
* **The Andes Mts.**
* **The Appalachian Mts.**

**Famous Fault Lines:**

* **San Andres Fault**
* **The Denali Fault System**
* **Alpine Fault**
* **Main Uralian Fault**
* **Peru-Chile Trench**

**Famous Earthquakes:**

* **2011 Tohoku 32ºN, 142ºE**
* **2010 Haiti 18ºN, 72ºW**
* **2010 Chile 32ºS, 70ºW**
* **1985 Mexico City 18ºN, 102ºW**
* **1906 San Francisco 37ºN, 122ºW**

**Key Geological Features**

* **Mid-Atlantic Ridge**
* **East Pacific Rise**
* **Pacific Ring of Fire**
* **San Andreas Fault**
* **Puerto Rico Trench**
* **Peru-Chile Trench**
* **East African Rift Valley**
* **Marianas Trench**
* **Eurasia-Melanesian Belt**
* **Hawaiian Hot Spot**
* **Aleutian Trench**