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**Plate Tectonics/Topographic Maps Review**

**CONTINENTAL DRIFT & PLATE TECTONICS**

1. Identify evidence supporting the theory of continental drift.
2. Compare and contrast different types of plate boundaries, and the resulting changes in the crust, including drawing a diagram of each boundary. Put each of the following with the boundary where they happen: earthquakes, volcanoes, mountains, trenches, mid-ocean ridges, faults, islands, island arcs, rift valleys, and folded mountains
3. Explain the dynamics of seafloor spreading, including drawing a diagram.
4. Identify locations of the 3 types of plate boundaries: convergent, divergent, and transform, and the crustal changes that result.
5. Compare and contrast how Japan and Hawaii were formed.

**CONVECTION CURRENTS**

1. Explain how convection currents (heat energy) move deep within the mantle (technically a solid) of the Earth creating movement of tectonic plates, which causes changes in the crust and in landforms. Include a diagram.

**DESTRUCTIVE FORCES**

1. Identify how weathering and erosion of the land can eventually form features such as gullies, deltas, and sand dunes.

**CONSTRUCTIVE FORCES**

1. Explain how when land erodes, the sediments are deposited at some location - deposition, ex. delta formation, mudslide, etc.

**TOPOGRAPHIC MAPS**

1. How can topographic maps change over time?
2. Identify what could cause topographic maps to change.

Make sure to study the vocabulary and the topographic map packet.