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# Activities

## When Tectonic Plates Meet

Name: _____ Date: _____

Earth's tectonic plates are in constant motion riding on a molten sea of magma. The plates crash into, dive under, or move apart from each other at their boundaries. In this Planet Diary activity, you'll explore the different things that can happen when these plates meet.

### Directions

- Look at this USGS tectonic plates map to review the names of Earth's plates.
- View this interactive plate tectonics map. The red pins mark locations along one of the three types (convergent, divergent, or transform) of plate boundaries. Explore the map by clicking the pins. Zoom for a closer look at each. Notice the tectonic features (e.g. volcano, mountains, earthquake fault, etc.) of each location.
- Complete the Workspace table. For *Boundary Type*, say whether the boundary is convergent, divergent, or transform for each location. Refer to the tectonic plates link above for *Plate Names*. For *Features*, name the features found at each location.

### Workspace

| Location | Boundary Type | Plate Names | Features |
|---|---|---|---|
| Aleutian Islands | | | |
| Cascades | | | |
| San Andreas Fault | | | |
| Caribbean | | | |
| Mid-Atlantic Ridge | | | |
| Iceland | | | |
| Kuril Islands | | | |
| Himalayas | | | |
| Andes Mountains | | | |
| East Africa | | | |

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