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Activities

Quaking and Shaking

Name: _____ Date: _____

The strongest earthquake ever recorded rocked Chile in 1960, registering magnitude 9.5. More recently, the deadly quake that struck Indonesia in 2004 was magnitude 9.1. Luckily, quakes that strong are rare. In this Planet Diary activity, you'll compare the frequency of quakes of different magnitude.

Directions

- Start at USGS Earthquake Facts and Statistics. Look at the *Average Annual Number of Earthquakes by Magnitude* table. For this activity, you'll compare earthquakes of magnitude 5.0 or greater.
- Notice the number of earthquakes of each magnitude (5 and higher) recorded each year worldwide. Record these numbers in the table in the Workspace.
- Make a bar graph displaying your data. Look at the range (difference between highest and lowest numbers) of your data to determine your scale. Put earthquake frequency on the vertical axis and earthquake number on the horizontal axis.

Workspace

Magnitude	Annual Average
5.0 to 5.9	
6.0 to 6.9	
7.0 to 7.9	
8.0 and higher	

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