**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.:\_\_\_\_\_\_**

**Recent Earthquake Magnitudes**

**Hypothesis:**

Earthquakes happen all over the world, every day. What magnitude do you think most of these earthquakes are? Why?

**Data:**

You will be using magnitude data from recent earthquakes around the world to create a bar graph of earthquake magnitudes.

1. Sort the recent world earthquake data by magnitude.
2. Record how many earthquakes for each of the following magnitudes have occurred recently in the world below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1.0–1.9: \_\_\_\_\_ | 2. 0–2.9:\_\_\_\_ | 3.0-3.9:\_\_\_\_\_ | 4.0-4.9:\_\_\_\_\_ | 5.0-5.9:\_\_\_\_\_ |
| 6.0-6.9:\_\_\_\_\_ | 7.0-7.9:\_\_\_\_\_ | 8.0-8.9:\_\_\_\_\_ | 9.0-9.9:\_\_\_\_\_ | 10.0:\_\_\_\_\_\_\_ |

1. Use the data to create a bar graph.

**Conclusions:**

1. Was your prediction about the magnitude of most of the daily earthquakes correct? Why or why not?

1. Write a 3-4 sentence summary of what you learned from this activity and from reading the IRIS one-pager “How Often Do Earthquakes Occur”. Be sure to include information about the most common magnitude and the effect these earthquakes have, as well as how often “great earthquakes” like the Cascadia megaquake occur.