**Recent World Earthquakes**

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

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

**Predictions:** How many earthquakes do you think have happened around the world in the past:

|  |  |  |  |
| --- | --- | --- | --- |
| **24 hours**  (give a number) | **Week**  (very few, few, some, or a lot) | **Month**  (very few, few, some, or a lot) | **Year**  (very few, few, some, or a lot) |
|  |  |  |  |

**Data Collection:** Now examine the recent earthquake maps from the IRIS website, and answer the following questions.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 24 hours | Week | Month | Year |
| How many earthquakes have occurred during the time period shown on the map? (Use the same measurements as in your predictions.) |  |  |  |  |
| What part of the world have most of the earthquakes on the map occurred in? (Give place names!) |  |  |  |  |
| Are all of the earthquakes near plate boundaries? If not, where did the ones not on the plate boundaries happen? |  |  |  |  |
| What type of plate boundary (convergent, divergent, or transform) do the majority of the earthquakes seem to be happening on? |  |  |  |  |

**Data Analysis:** Use the data you recorded in your data table to answer the following questions. You need to look at your answers for all 4 maps, and not just one particular map! Be sure to use complete sentences!

1. How did your predictions for how many earthquakes had occurred in each time period compare to the actual amount of earthquakes that occurred? (Be sure to mention each time period!)

1. Do most earthquakes seem to happen on plate boundaries? Do ALL earthquakes happen on plate boundaries?

1. What type or types of plate boundaries seem to have the most earthquakes?

**Conclusions:** Answer in complete sentences!

1. What did you learn about how often earthquakes happen around the world?

1. What did you learn about where earthquakes happen?

1. What is something you are wondering or a question you have based on this activity?