

Data Table Worksheet

Name: _____

Period: _____

Look at the information below. Predict whether or not you think that tectonic plates are colliding in the country. Simply fill in the Prediction #1 column with a "YES" or "NO".

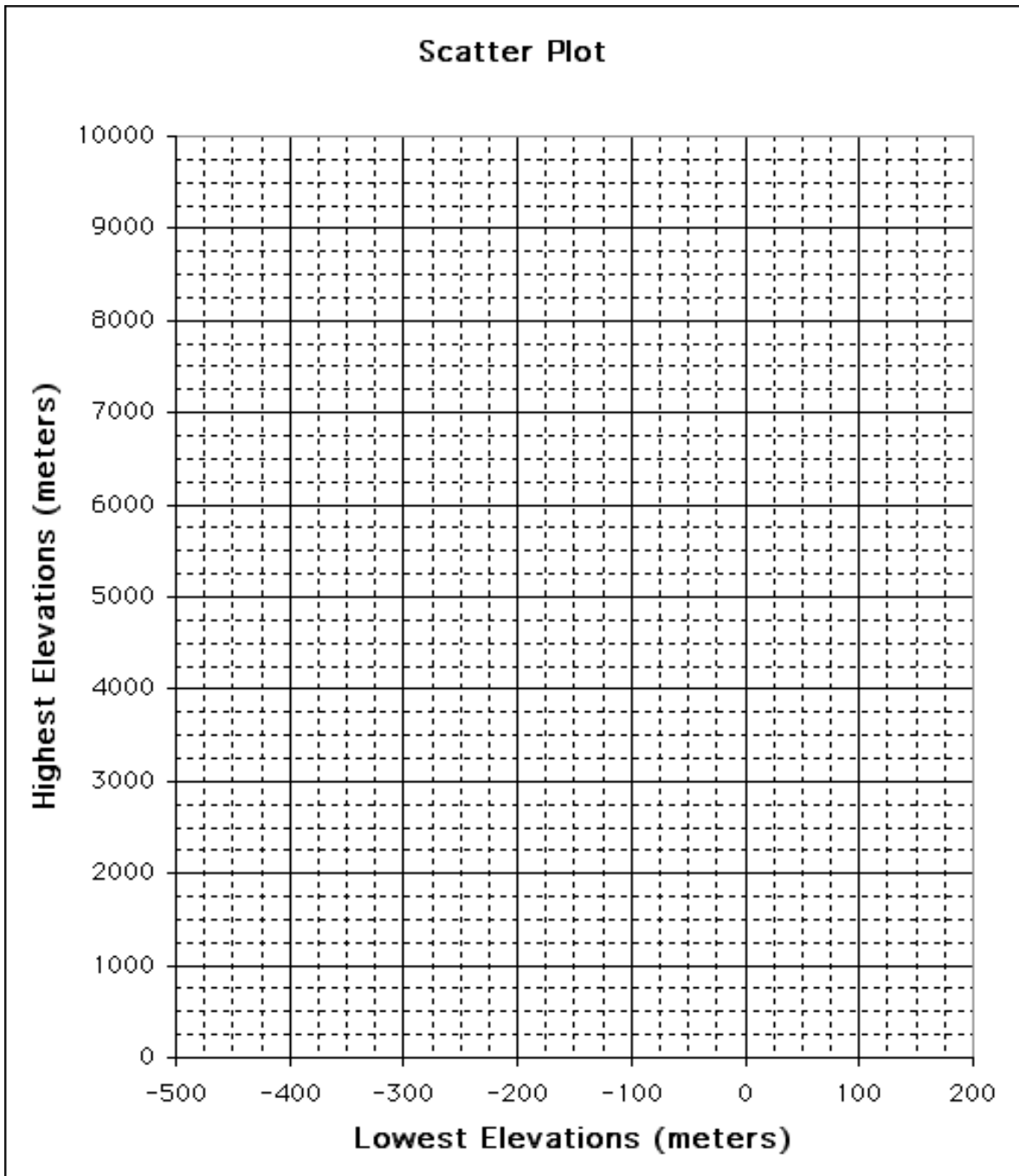
Country	Lowest Elevation	Meters	Highest Elevation	Meters	Collision Zone or not? Prediction #1	Collision Zone or not? Prediction #2
Australia	Lake Eyre	-15	Mt Kosciuszko	2229		
Austria	Neusiedler See	115	Grossglockner	3798		
Bolivia	Rio Paraguay	90	Nevado Sajama	6542		
China	Turpan Pendi	-154	Mt Everest (Tibet/Nepal)	8850		
Denmark	Lammelfjord	-7	Ejer Bavnejo	173		
France	Rhone River	-2	Mont Blanc	4807		
Iceland	Atlantic Ocean	0	Hvannadalshnuker	2119		
Israel	Dead Sea	-408	Har Meron	1208		
United Kingdom	Fenland	-4	Ben Nevis	1343		
United States	Death Valley	-86	Mt McKinley	6194		

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Scatter Plot Graph Paper

Use the information from the Data Table Worksheet to create a scatter plot on the graph paper below. Be sure to label the country.

After you study the scatter plot, make your Prediction #2 on whether or not you think that tectonic plates are colliding in the country. Simply fill in the last column of the Data Table Worksheet with a "YES" or "NO".



Data Table 2 Worksheet

Name: _____

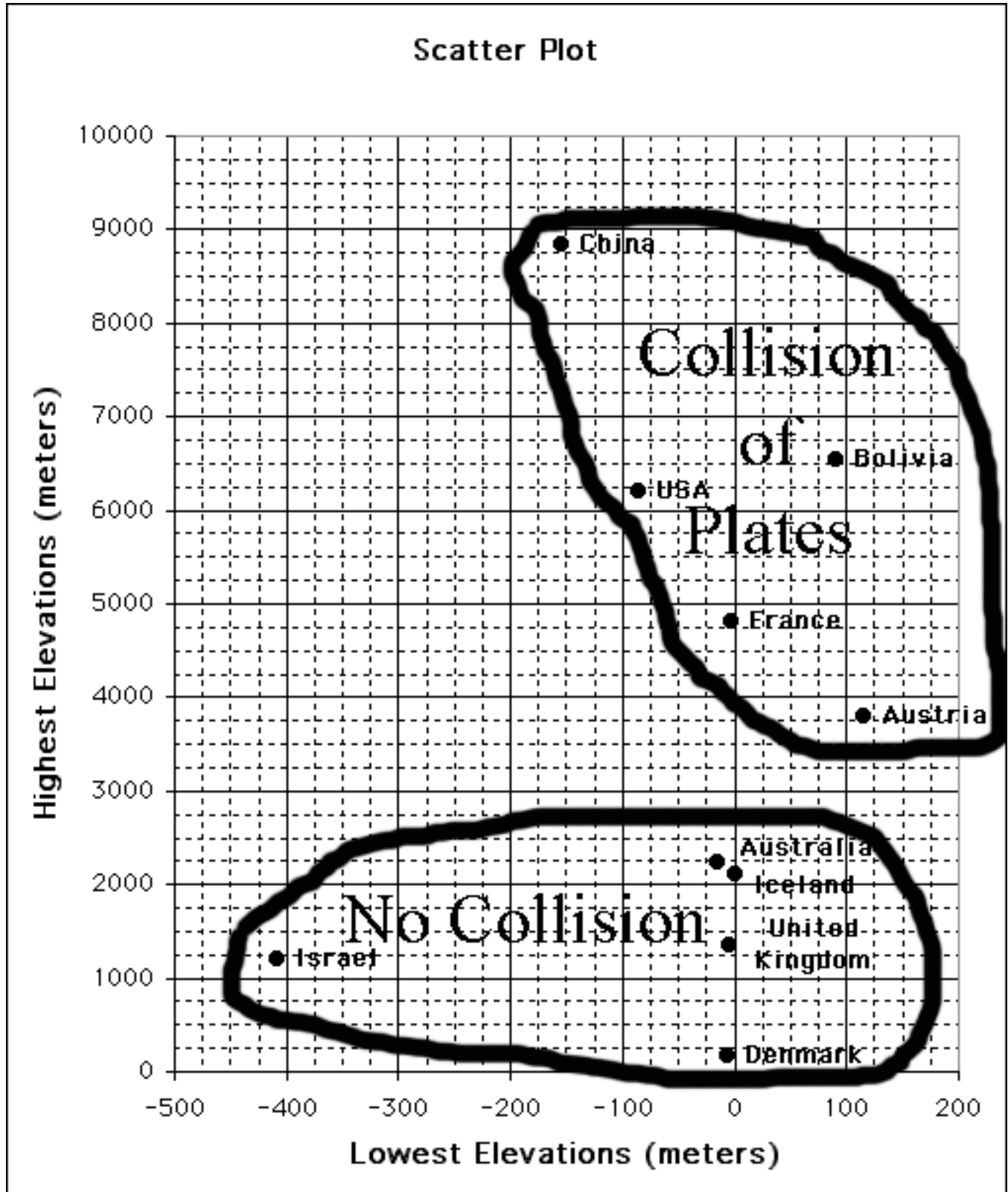
Period: _____

Now, examine the map showing the location of plate tectonic collisions. Mark each country Yes or No for plate tectonic collisions.

Country	Lowest Elevation	Meters	Highest Elevation	Meters	Collision Zone or not?
Australia	Lake Eyre	-15	Mt Kosciuszko	2229	
Austria	Neusiedler See	115	Grossglockner	3798	
Bolivia	Rio Paraguay	90	Nevado Sajama	6542	
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United States	Death Valley	-86	Mt McKinley	6194	

Draw an oval around all of the "YES" countries (places where plate tectonic collision occurs). Then, draw an oval around all of the "NO" countries (places where plate tectonic collision does not occur).

Answer Key



Assessments

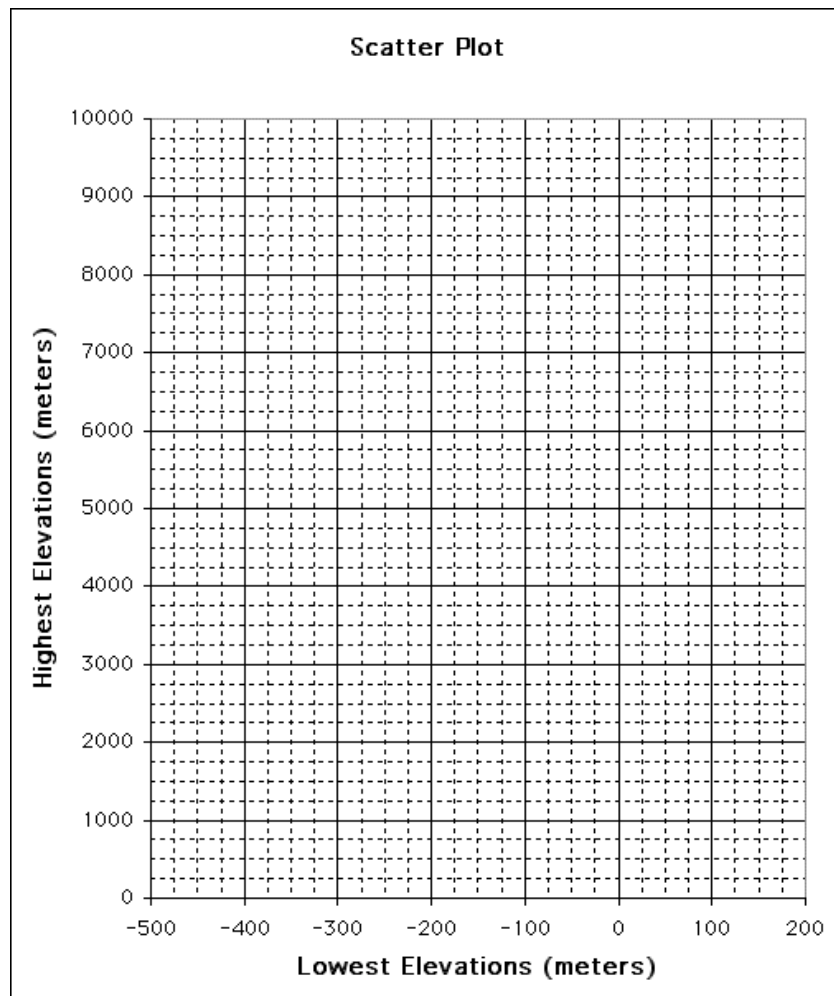
Math

Name _____

Period _____

Plot the highest and lowest points on the following scatter plot. Label all the countries next to your dot (small circle).

Country	Lowest Elevation	Meters	Highest Elevation	Meters
Chile	Pacific Ocean	0 m	Nevado Ojos del Salado	6,880 m
India	Indian Ocean	0 m	Kanchenjunga	8,598 m
Sudan	Red Sea	0 m	Kinyeti	3,187 m
Uruguay	Atlantic Ocean	0 m	Cerro Catedral	514 m



Geography

Study the information provided in this table and the Where Plates Collide: Land Area map.

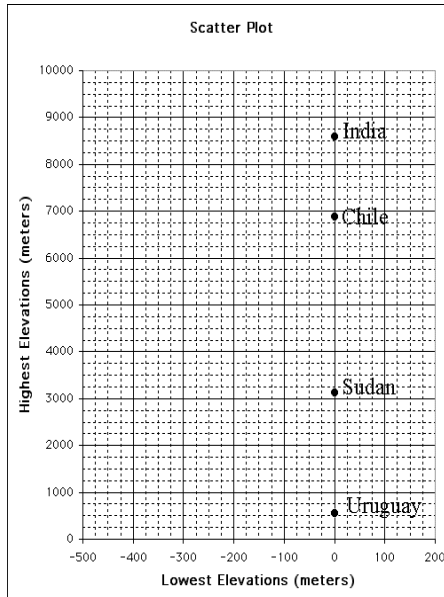
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What are three implications for people living in the countries where plates collide.

- 1.
- 2.
- 3.

Assessment Answer Key

Math Assessment



Geography (much of this is from Ready.Gov)

Note: Answer Key says earthquakes but could also be from tsunamis and other plate tectonic effects. Accept any reasonable answer. Here are some suggestions.

1. Housing and other buildings needs to be built to withstand earthquakes.
2. Transportation systems including tunnels and bridges need to be built to withstand earthquakes.
3. People should be prepared for evacuations or living through earthquakes (food/water on hand for at least 3 days, generators for electricity, heating systems not dependent on electricity, portable medical facilities, etc.)
4. If an earthquake is happening, how to be safe (in car—stop, in bed—turn face down and cover with pillow, in house—get under table or sturdy desk, outdoors—stay away from buildings)
5. Have a family plan for disasters
6. Get earthquake insurance
7. Fix any structural issues in your home or business so it is less likely to have damage
8. Secure bookcases and other heavy or breakable objects so they don't fall.
9. Have battery operated radio, communication devices, etc.,
10. Cover your face and try not to breathe in dirt, fumes, etc.,