

Supplemental worksheet for the "Cracked Plate" Esri Geoinquiry

1. Where have you heard of earthquakes occurring?

2. Is there a pattern to the earthquakes that you've heard about?

3. What patterns are visible where quakes occur?

4. What is happening to the area within a ring of earthquakes?

5. What are plates that collide head on called? _____

6. What are boundaries called where plates are stretched apart? _____

7. What are boundaries called where plates are in a side-swipe collision? _____

8. Do earthquakes only occur at the boundary between plates?

9. Based on earthquakes activity, what do you think is happening at the Nazca plate and the South American plate boundaries? _____

10. Fill in the table below, where earthquakes occur compared to plate boundaries

	Quakes compared to boundary	Pattern of depths of quake
Convergent		
Divergent		
Transform		

11. Which type of boundary separates the Caribbean and the Gulf of Mexico? (refer to table above) _____