# **DATA BOOKLET WORKSHEET - Tectonic Plate Boundaries Map** **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# **Part I: Map of the World (p. 7)**

1. List 3 places where plates are diverging.

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1. List 3 locations where an oceanic plate is subducting under a continental plate?

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1. How do volcanoes form when continental and oceanic plates collide?
2. Why do the volcanoes form on the continental plate and not the oceanic plate?
3. Using arrows show which direction diverging plates move.
4. What land/oceanic geological features forms at a divergent boundary? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Using arrows show which direction converging plates move.
6. What geological feature usually forms at an oceanic-oceanic convergent boundary? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What 4 plates form a boundary along the Mid-Atlantic ridge?

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1. What geological feature usually forms at a continental-continental convergent boundary? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Give 1 location where 2 continental plates are converging? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What geological feature usually forms at an oceanic-continental convergent boundary on the continental plate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Using arrows show which direction plates at a transform boundary move.
5. What geological event can occur at a transform/slip strike boundary? Why?
6. Give 1 location where there is a transform/slip strike boundary?

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# **Map of Pacific Coast of North America (p. 6)**

1. Name all of the plates on this map:
2. What type of boundary is found at the Aleutian trench? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What type of boundary is the Juan de Fuca ridge? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What type of boundary is the San Andreas Fault? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What are the cascade volcanoes a result of? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Explain how the Juan de Fuca Plate and the North America Plate are interacting.
7. Explain how the Juan de Fuca Plate and the Pacific Plate are interacting.