## UNDERSTANDING CONTINENTAL DRIFT AND PLATE TECTONICS

Brief History: (text p. 114-117) 1858: Antonio Snider-Pellegrino and others observed the jigsaw fit between the continents (most notably between South America and Africa). 1912: Alfred Wegener: developed the theory of \_\_\_\_\_\_which states that continents themselves had shifted away from an ancient single massive supercontinent called \_\_\_\_\_\_. He used fossil evidence from and to support to support his theory. Why did scientists of his day disagree with Wegener's theory? 1928: Arthur Holmes: proposed that Earth's mantle contained that moved the Earth's continental plates. 1960: Harry Hess: found that the Atlantic ocean floor was widening along the mid-Atlantic Ridge; a concept called sea-floor spreading. Briefly explain the theory of Plate Tectonics: Define Convergent, Divergent, and Transform Boundaries: Convergent: Divergent: Transform:

Using the map of Earth's Tectonic Plates on the reverse side of this page complete the following. (Use p. 124 of the Canadian Oxford Atlas for plate boundary locations and p. 114-119 of your text).

- 1. Highlight the Transform Boundaries with a blue pencil.
- 2. Highlight the Convergent Boundaries with a green pencil.
- 3. Highlight the Divergent Boundaries with a orange pencil.
- 4. Highlight the Ring of Fire around the Pacific Plate with a red pencil.
- 5. Colour the Juan de Fuca plate with purple pencil.

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what do you hotice abou	t the location of the volcanoes? Where	e are they concentrated?
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		And the second
How many plates are the	re?	
Name the 7 largest plate	::	
1.	2	
3	4	
5	6	-
7		
Why are most earthquak	es and volcanoes located near plate bou	undaries?
	s plates has shaped Canada in many wa	
	s plates has shaped canalis in him,	