**Guided Reading Ch. 33 Our Restless Planet**

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| *Page 587 - A Scientific Revolution*  What is Paleomagnetism?  How do rocks preserve changes in Earth’s Magnetic field?  What is magnetite?  What happened to the magnetic poles over the last 500 million years?  What key information was missing?  What was found running down the middle of the Atlantic, Pacific and Indian oceans?  Where were the deepest parts of the ocean found?  What was found near the underwater mountains?  What did H.H. Hess hypothesize?  Explain his hypothesis.  Look at Figure 33.7 – What does it show? Explain it. |  |
| *Page 589 – The Theory of Plate Tectonics*  Describe the Theory of Plate Tectonics.  What does the lithosphere ride atop?  What occurs along active margins? |  |