Outline Lesson 4.2, **The Development of a Theory**, pages 134-139. Due Monday in your science notebook, 12/4.
Copy the outline format; Answer the *italicized questions*.

Chapter 4, Lesson 2: The Development of a Theory

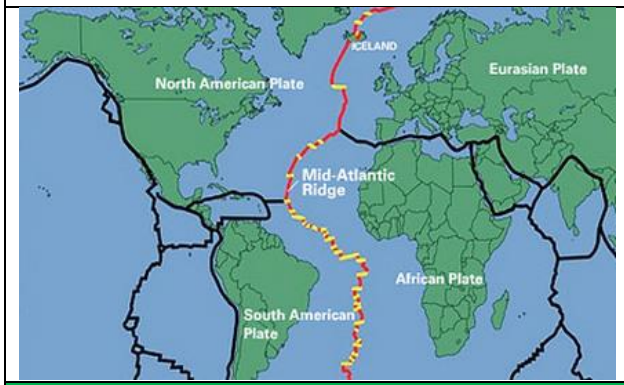
EQ: What is seafloor spreading?

Mapping the Ocean Floor

What did scientists discover with the echo sounder in the 1940s?

Seafloor Spreading

How does the density of magma cause seafloor spreading?



Topography of the Seafloor

What are basins and ridges?

Moving Continents Around

Are the continents really pushing through solid rock?

EQ: What evidence is used to support seafloor spreading?

Development of a Theory

Which 'sphere' was important for understanding the seafloor spreading?

Magnetic Reversals

What would a magnetic reversal do to a compass needle?

Rocks Reveal Magnetic Structure

Why do bands of rock on the ocean floor have opposite magnetic directions?

Evidence to support the Theory

What three pieces of evidence support seafloor spreading?

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