

Lesson 3: What is the Composition of the Earth's Surface?

Activity 3.1: The Theory of Plate Tectonics

ACTIVITY 3.1 – THE THEORY OF PLATE TECTONICS

What Will We Do?

We will create models to represent Earth's plates.

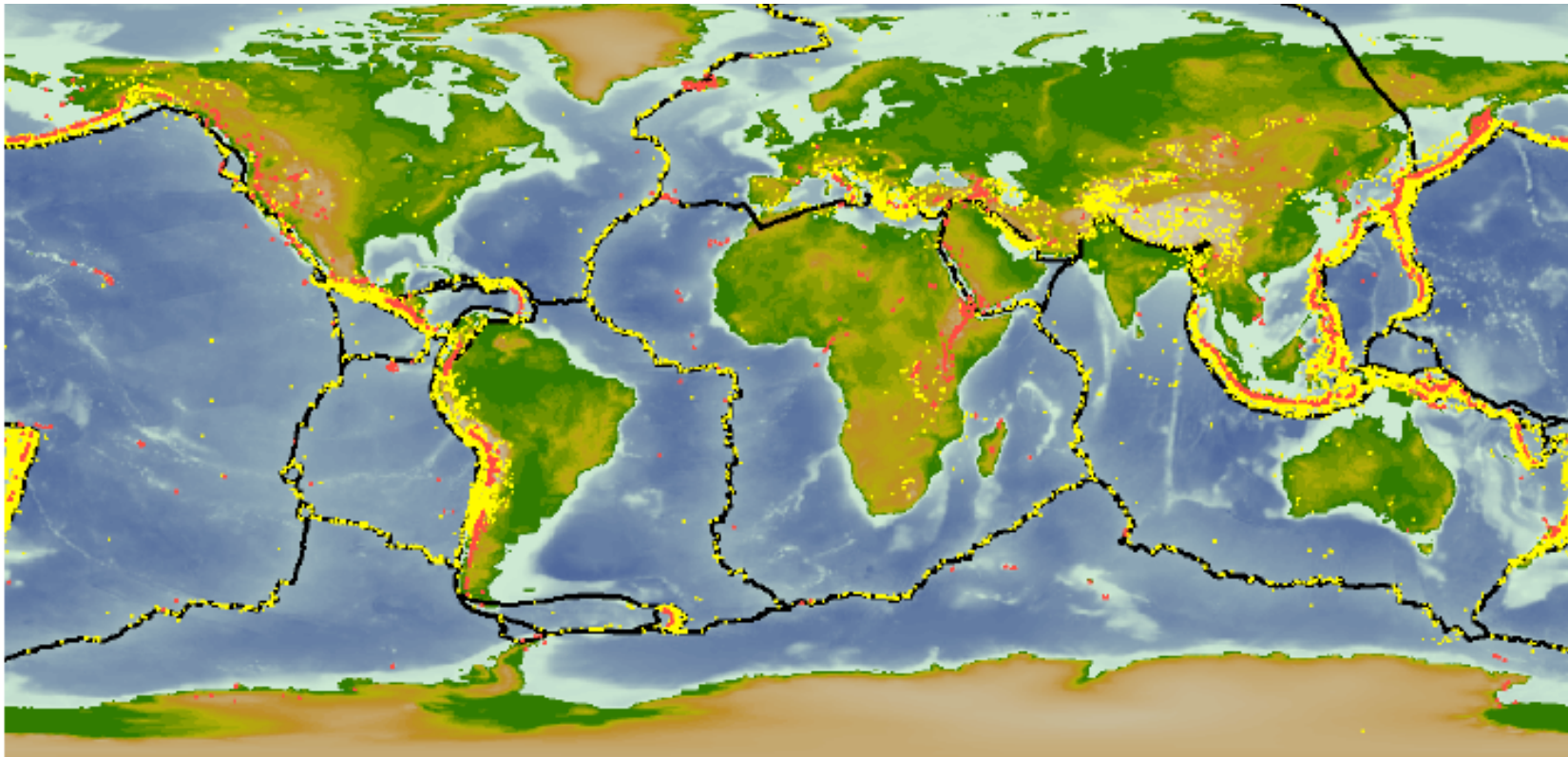
Background Information

1. What do you know or what have you heard about plate tectonics?
2. What data taken from the ocean floor lead to the theory of plate tectonics?
3. How can Wegener's phenomena and data help you answer the Driving Question: How Is the Earth Changing?
4. What do we know so far about plates that would be important to include in constructing a model to explain what they are?

Earth's Plates

Making Sense

1. What are the important features of a model of Earth's plates? (Note: We are not focusing on continents here but rather plates.)



■ Earth's Plates

■ Earthquake

■ Volcano

One Plate—2 types of crust

