

Use the textbook pg. 270

### p270 Earth's Changing Continents

#### What You Will Learn

• Earth's continents have \_\_\_\_\_

• Rocks and fossils provide \_\_\_\_\_

#### Why It Matters

Understanding the history of \_\_\_\_\_

#### Vocabulary

• plate tectonics = \_\_\_\_\_

• continental drift = \_\_\_\_\_

Key Concept Movements of Earth's tectonic plates \_\_\_\_\_

>The surface of Earth on which we live is \_\_\_\_\_ moving. Sometimes, we feel this movement as \_\_\_\_\_. But did you know that Earth's \_\_\_\_\_ has \_\_\_\_\_ so much during Earth's \_\_\_\_\_ history that the \_\_\_\_\_ have changed \_\_\_\_\_?

#### Plate Tectonics

The thin, cool "\_\_\_\_\_" of Earth is called the \_\_\_\_\_. This \_\_\_\_\_ is \_\_\_\_\_ into several smaller \_\_\_\_\_ called tectonic \_\_\_\_\_. These plates \_\_\_\_\_ on a \_\_\_\_\_ layer of \_\_\_\_\_ rock called the \_\_\_\_\_. Earth's mantle is \_\_\_\_\_, but it moves very \_\_\_\_\_. As the \_\_\_\_\_ moves, it \_\_\_\_\_ on the bottom of the \_\_\_\_\_ tectonic \_\_\_\_\_ lying on \_\_\_\_\_ of it. As a result, the tectonic \_\_\_\_\_ move. Earth's \_\_\_\_\_ currently has about \_\_\_\_\_ large plates and \_\_\_\_\_ small ones. Some of the \_\_\_\_\_ plates are labeled in Figure 1. \_\_\_\_\_ plates move as \_\_\_\_\_ as your \_\_\_\_\_ grow-between 2 cm and 5 cm per \_\_\_\_\_. Over geologic time \_\_\_\_\_, this movement can cause \_\_\_\_\_ cumulative \_\_\_\_\_--plate movements may total \_\_\_\_\_ of miles. The \_\_\_\_\_ that explains how Earth's tectonic \_\_\_\_\_ move and change \_\_\_\_\_ is called plate \_\_\_\_\_.