

Name: _____ Date: _____

Earth's Structure

EXPLAIN

Video Analysis: Convection in the Mantle

Watch Khan Academy's "Plates Moving Due To Convection in the Mantle" to learn how convection in the mantle causes Earth's tectonic plates to move. Access the video using the QR code to the right OR enter <https://tinyurl.com/opucglq> into your web browser.



1. Illustrate how convection occurs in a pot. Use captions to explain what is occurring.

2. Describe the part of the mantle called the asthenosphere.

3. How does convection in the asthenosphere affect the lithosphere?

4. Illustrate convection in Earth's mantle and its effects on the lithosphere.
Use captions to explain what is occurring.

What's Inside?

Part 2 Explain

Directions: Use the candling equipment provided by your teacher to observe what is inside your egg.

4. Describe what you see.

5. As best as you understand it, how does the light source help you see the Mystery Egg's interior?

6. How is candling the Mystery Egg similar to the way scientists study Earth's interior?