

## Pie Slice of the Earth

Name:

Period:

*This exercise will help you gain a greater understanding of the different layers that make up Earth.*

Step 1—Get the piece of paper that you will use to make the model.

Step 2—Color the different layers with colored pencils, using these colors:

- use yellow for the inner core
- use orange for the outer core
- use red for the mantle
- use brown for the thin layer of crust



CoolClips.com

Step 3—Cut out the model.

Step 4—Fold it but don't glue it yet. You can glue it together using a glue stick at home. For now, it will be easier to keep in your binder if it has not been glued together.

Step 5—Use the information on the completed model to answer the questions below.

-----

1. What part of Earth do we live on? *[Hint: use your brain]*

2. Which layer of Earth is the thinnest? *[Hint: look at the model]*

3. Which layer of Earth has the coolest temperature? *[Hint: look at the boxes that describe the different layers of Earth. Temperature values are shown in °C]*

4. Which layer of Earth has the hottest temperature? *[Hint: look at the boxes that describe the different layers of Earth. Temperature values are shown in °C]*

5. The crust of Earth is broken up into different chunks called plates. What layer of Earth makes these plates move around? *[Hint: look at the boxes that describe the different layers of Earth.]*

6. When there is volcanic activity, magma (molten rock) comes up through the crust. When it reaches the surface of Earth, it is then called lava. What layer of Earth does magma come from?

7. What kind of minerals would you expect to find in cooled lava? *[Hint: look at the words that describe the different layers of Earth.]*