

Layers of the Earth Foldable

Objective: To create a visual representation of each of the layers of the Earth

Directions:

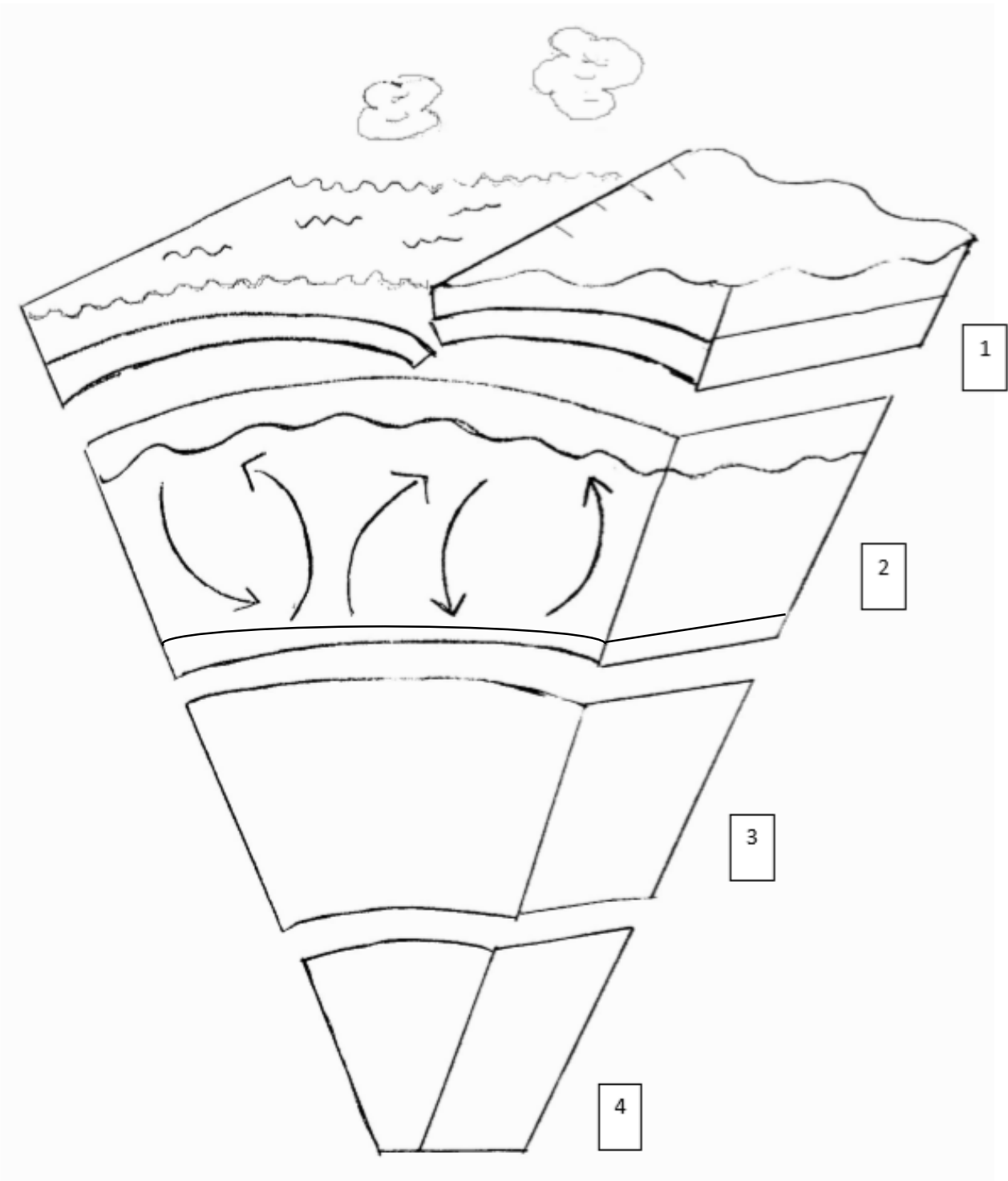
1. Colour the four layers as stated below:

Ocean – blue	Middle mantle – pink	Upper mantle – yellow
Oceanic crust – black	Lower mantle - purple	Inner core - red
Continental crust – brown	Outer core – orange	
2. Cut out each of the layers carefully.
3. Take two pieces of white paper. Place one piece of paper on top of the other so that a quarter of the bottom page can be seen. Fold the two pieces together so that there are four equal visible flaps. Staple the sheets of paper at the top of the foldable.
4. Paste each part of the layers in the correct order on each section of the foldable.
5. Cut out the provided labels and identify where each label is represented on the foldable.
6. For each section of the foldable, answer the following questions...
 - a. Composition (rock/minerals it's made of)
 - b. Thickness
 - c. State of Matter (Solid? Liquid? Both?)
 - d. Temperature (range or average)
7. Additional research to be done for each of the layers of the Earth... (Be sure to write your responses in your foldable)
 - a. Crust:
 - i. Compare and contrast the properties of Oceanic Crust and Continental Crust. Discuss **at least 2** similarities and 2 differences.
 - b. Mantle:
 - i. How is each sub-layer of the mantle (upper, middle, lower) different?
 - c. Outer Core:
 - i. Why is it a liquid?
 - d. Inner Core:
 - i. Why is it a solid?
 - ii. How is the core related to the Earth's magnetic field?

Rubric:

	Total	Beginning	Developing	Competent	Accomplished
Content	/12	Information presented is inaccurate and/or incomplete. Parts labelled are either incomplete or incorrect.	Some information presented is not accurate and well explained. Many parts are incorrectly labelled. There is a lack of information.	Information presented is somewhat accurate and fairly well explained. A few parts are incorrectly labelled. The text is comprehensible. All required elements are present.	Information presented is accurate, detailed and well explained. All parts of the diagram are correctly labelled. The text is easy to follow and understand. All required elements are present and some elements to show further understanding.
Presentation	/4	Messy and incomplete. Not in colour. Parts missing. There is a lack of effort.	Not very neat or clear. There is a lack of colour. Minimal effort.	Somewhat neat and clear. In colour and somewhat attractive. Demonstrates a good effort.	Detailed, clear, and neat. In colour and attractive. Demonstrates a considerable effort.

The Earth's Layers



Labels:		
Crust	Upper Mantle	Outer Core
Continental Crust	Convection Currents	Inner Core
Oceanic Crust	Middle Mantle	
Oceanic Crust	Lower Mantle	