

Materials Station Extension #1

With your table group: **Examine** the list of objects below and **discuss** how each could be used to model the layers of the earth. Would they work? Why or why not? You do not have to agree! 😊

Apple pie
Tootsie Pop
Snickers Bar

Hot Pocket/Calzone
Hard Boiled Egg
Layer Cake

An Onion
A Peach
Chocolate Covered Cherry

On your own: **Choose** one object to model the earth's layers. (It can be from the list above or your own choice!) **Complete the chart** on your lab sheet using your object as a model.

Materials Station Extension #2

With your table group:

1.) **Review** the layers of the earth together. **Label** your blank diagram.

2.) **Review and discuss** how the layers of the earth BEHAVE. Use the online resource to help you remember.

On your own:

1.) **Decorate** the layers of the earth diagram in a way that represents the material that is found in each layer. Think about what the layer is made of and how it behaves. You may use color and design to show your understanding of the layers. Your layers should LOOK different....well, because they are!!

2.) **Answer the questions** under the diagram.

Materials Station:

- 1.) **Examine** the materials at your station. Do NOT open the containers. Do NOT damage any of the materials.
- 2.) **Choose (and defend!)** a material to represent each layer of the earth. You may discuss your ideas with your table mates. You do NOT have to agree. 😊
- 3.) Use the online resource at your table to help you with your reasoning and vocabulary.

<https://www.learner.org/interactives/dynamicearth/index.html>

- 4.) There is no ONE right answer, so be sure to support your choices!

Convection Station:

- 1.) Put on your goggles and apron.
- 2.) Set up your bottle, blocks, and candle to match the diagram on your lab sheet.
- 3.) Ask a teacher to light your candle. *Be safe while your candle is lit!!
- 4.) Shine the flashlight on the fluid from all directions: top, front, sides. Observe closely! How is the fluid moving in different parts of the bottle: top, bottom, sides?
- 5.) Wait for the fluid to warm up a bit before beginning your diagram work. See the lab sheet for directions.

Research Station:

- 1.) **Read** the research questions posted throughout the room. Choose one OR create your own!
- 2.) Using the online resource links (found in Schoology), **read about and search for** an answer to the question. You may need to visit more than one resource to verify or find your answer.
- 3.) **Write** your answer on the BACK of a post-it. Don't forget to include your name.
- 4.) **Post** your answer on the appropriate poster so the answer is not visible. ***If you chose your own question, add it to the blank poster and attach your post it next to it.*