

Name _____ Section _____ Date _____

LT: I can

Do Now:

Formation of Early Earth

1. Watch the video clip and answer the following questions.

- a. How old is Earth?
- b. What are four challenges a human would face on Early Earth?
- c. In the saucepan example, what happens to the heavier stuff, like coins? What happens to lighter stuff?

d. Complete the diagram of Earth's layers.

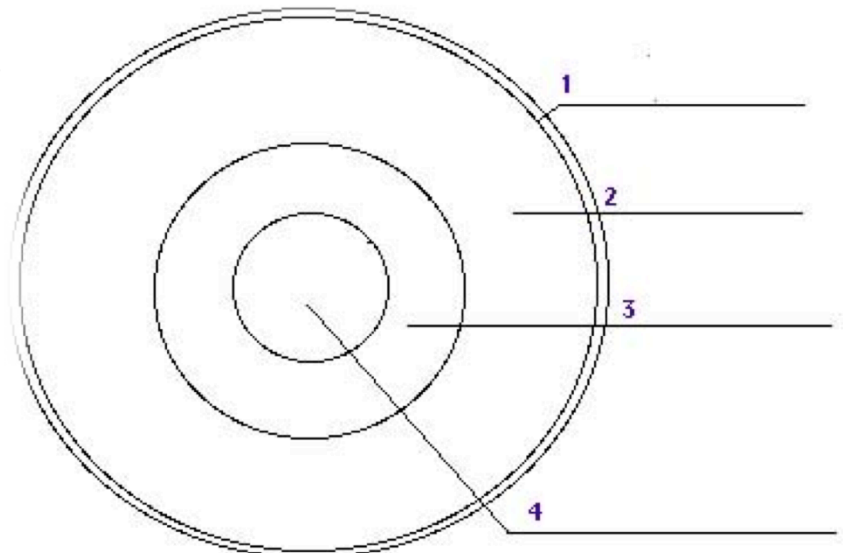


Diagram not drawn to scale

2. List two positive effects of the massive asteroid hitting our Earth, and explain why they're important.

| Effect | How did it help to make Earth uniquely situated for life? |
|--------|---|
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| | |

3a. Write some info on the layers of Earth. Make sure to note the following facts for each layer:

| Layer | Solid or liquid? | Depth from surface? | What is the layer made of? |
|-------|------------------|---------------------|----------------------------|
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3b. How do the layers help to make Earth uniquely situated for life?

4. How do we know what the layers of Earth are, if we haven't seen it?

The following are based on your own thoughts, so the answers cannot be found in the powerpoint.

5. How is Earth more complex than our Sun? (3-4 sentences)

6. How does this unit fit into Big History? Why is it a threshold? (3-4 sentences)