

Name _____ Section _____ Date _____

LT: I can explain why Earth is unique as compared to other planets in the solar system.

Do Now: Fill out Student 1's information in Part 1.

Why is Earth so Unique?

Part 1: Brochure sharing

You should fill out Student 1, then take notes on what the other people in your group say.

Student 1: _____	
Brochure (planet, comet, moon)	
Most interesting fact learned	
How is it most different from Earth?	
What were the sources? Why were they reliable?	

Student 2: _____	
Brochure (planet, comet, moon)	
Most interesting fact learned	
How is it most different from Earth?	
What were the sources? Why were they reliable?	

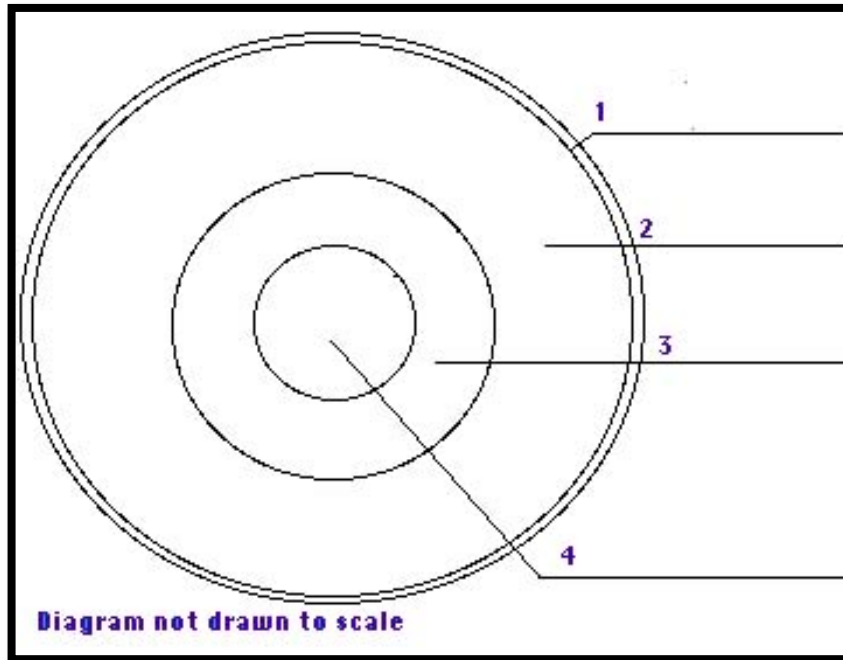
Student 3: _____	
Brochure (planet, comet, moon)	
Most interesting fact learned	
How is it most different from Earth?	
What were the sources? Why were they reliable?	

Part 2: Brainstorming

It can't be denied that Earth is a unique planet in the solar system. After all, it has life on it! Why is this? What makes planet Earth so unique compared to other planets in the solar system? (Use your answers from part 1 to help your predictions.)

Part 3: Video Clip

1. How old is Earth?
2. What are four challenges a human would face on Early Earth?
3. In the saucepan example, what happens to the heavier stuff, like coins? What happens to lighter stuff?
4. Complete the diagram of Earth's layers.



Part 4: It's Alive Comic questions

1. Write the phrase in the comic that describes accretion.
2. List the ways in which Earth is a unique planet, perfect for human life. Explain why each feature is important.
3. (Not in comic) Earth is unique in the solar system, but what about the universe? Do you think it's likely that other planets exist with the same conditions for life that we have? Explain. (2-3 sentences)