



## Layers of Earth Homework

**PART 1 DIRECTIONS:** Use the first page of your NOTES from today to fill in the empty boxes in this table:

THICKNESS	NAME OF LAYER	WHAT IT'S MADE OF	LIQUID OR SOLID?
5-70 km			
			Solid
	Outer Core		
1,216 km		Iron and Nickel	

**PART 2 DIRECTIONS:** Use your NOTES from today to answer these questions in complete sentences.

- The lithosphere is made up of one layer, plus part of another layer. What are these two layers? \_\_\_\_\_  
\_\_\_\_\_
- Why is the lithosphere called that? (*What does the word "litho" mean?*) \_\_\_\_\_  
\_\_\_\_\_
- Why is the asthenosphere called that? (*What does the word "asthenes" mean?*) \_\_\_\_\_  
\_\_\_\_\_
- Is the lower mantle **softer** or **harder** than the asthenosphere? \_\_\_\_\_  
\_\_\_\_\_
- In your OWN words, explain how geologists can tell what the earth is made of very deep down (when they cannot dig or drill). \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_