

Name \_\_\_\_\_

Date \_\_\_\_\_

Classwork  
u2-1

Directions: Please use <sup>range</sup> your ESRT's,

1. Name the pressure in the following layers

A) Asthenosphere \_\_\_\_\_ to \_\_\_\_\_.

B) Stiffer mantle \_\_\_\_\_ to \_\_\_\_\_.

C) Outer core \_\_\_\_\_ to \_\_\_\_\_.

D) Inner core \_\_\_\_\_ to \_\_\_\_\_.

2. As depth increases, pressure \_\_\_\_\_.  
(increases, decreases)

3. Write down the thickness of each layer.  
(subtract where the layer begins from where the layer ends).

A) Asthenosphere \_\_\_\_\_

B) Stiffer mantle \_\_\_\_\_

C) Outer core \_\_\_\_\_

D) Inner core \_\_\_\_\_

E) Lithosphere \_\_\_\_\_

4. Write the density range of the following layers.  
(remember units)

A) Crust (continental to oceanic) \_\_\_\_\_ to \_\_\_\_\_.

B) Mantle \_\_\_\_\_ to \_\_\_\_\_.

C) Outer core \_\_\_\_\_ to \_\_\_\_\_.

D) Inner core \_\_\_\_\_ to \_\_\_\_\_.

5. As depth increases, Density \_\_\_\_\_  
(increases, decreases)

6. Name the temperature range for each layer.

A. Lithosphere \_\_\_\_\_ to \_\_\_\_\_.

B. Asthenosphere \_\_\_\_\_ to \_\_\_\_\_.

C. Stiffer Mantle \_\_\_\_\_ to \_\_\_\_\_.

D. Outer core \_\_\_\_\_ to \_\_\_\_\_.

E. Inner core \_\_\_\_\_ to \_\_\_\_\_.

7. As depth increases, temperature \_\_\_\_\_  
(increases, decreases)