**EARTH’S INTERIOR LAYERS**

Look at page 10 of your ESRT.

1. Add the following labels to your diagram: **CRUST, INNER CORE, OUTER CORE, ASTHENOSPHERE, RIGID MANTLE, LITHOSPHERE, MANTLE, MOHO.**
2. Add **all the density information** listed on that page to this as well.
3. What happens to the density of the earth as you go deeper down?
4. Which is more dense, continental crust or oceanic crust?
5. What are the main elements in the outer core?
6. What are the main elements in the inner core?
7. Looking at the pressure graph on page 10, describe the relationship between pressure and depth in one sentence.
8. What is the pressure between the mantle and outer core? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(units!)
9. What is the pressure at 4000km deep? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(units!)
10. What is the temperature at 4000 km deep? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (units!)
11. What is the melting point at 4000 km deep? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(units!)
12. Is the melting point higher or lower than the temperature at this depth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Will it be a liquid or solid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_