Name:_____ Date: _____ Period:_____

Chemical Composition Chart

Use your ESRTs, to answer the following questions. Answer in full sentences where appropriate.

1. What is meant by crust?

2. How is the troposphere related to the atmosphere?

3. What is the most abundant element in the atmosphere?

4. What element is the most abundant in the oceans?

5. What is the percent, by volume, of potassium in the crust?

6. What is the percent of oxygen in the atmosphere?

7. What is the percent, by mass, of magnesium in the crust?

8. What is the least abundant element listed, by mass, in the crust?

9. What is the least abundant element listed, by volume, in the crust?

10. How can iron be 5.63% by mass but only 0.49% by volume in the crust?

11. What element is the most abundant by mass and volume in the crust?

12. What are the two most abundant elements, by mass, in the crust? _____ These two elements combine to make one of the most common minerals. That mineral is _____ . The mineral has a

chemical formula of _____ . On the back of this paper, draw a diagram of that mineral's crystalline shape.