1. Summarize Empedocles’s theory on matter

2. Summarize Democritus theory on matter.

3. Torricelli showed that air had \_\_\_\_\_\_\_\_\_ and invented the \_\_\_\_\_\_\_\_\_.

4. How did Bernouli picture air?

5. Priestley experimented that mercury calx broke down when heated to form what two substances?

6. What do you think Priestley’s strange gas was?

7. What did Priestley’s discovery reveal about substances?

8. Lavoisier mixed ‘phlogiston’ and oxygen to produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

9. Lavoisier renamed ‘phlogiston’ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Lavisher experiments led to the law of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. List and explain Dalton’s four main concepts of his atomic theory.

12. What was Boyle’s definition of an element?

13. What is the definition of an atom?

14. What is the definition of a compound?

15. What is the Law of Definite Proportions?

16. Give an example of the Low of Definite Proportions. (look at the balloon examples and describe)