**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Atomic History Practice**

***Directions:*** *Match the scientist on the left with the correct experiments and discoveries on the right. Place the correct letter in the blank.*

1. Democritus
2. Dalton
3. Thomson
4. Rutherford
5. Bohr
6. Schrodinger
7. Chadwick
8. Discovered neutrons
9. Discovered the nucleus & associated with the nuclear model
10. Discovered electrons & associated with the plum pudding model
11. Proposed that matter was composed of tiny indivisible particles but had no experimental data
12. Discovered orbitals
13. Said atoms were solid spheres & associated with billiard ball model
14. Stated electrons can only exist in certain energy states & associated with the planetary model

***Directions:*** *Answer the following short answer questions.*

1. What are the five parts of Dalton’s Atomic Theory?
2. Which parts of Dalton’s Atomic Theory are correct?
3. According to Bohr, how do electrons move from one energy level to the next?