**Unit 1A Atomic Theory Review Worksheet**

1. **Calculate average atomic mass from experimental data**

*Complete attached worksheet*

1. The law of conversation of mass states:
2. The law of multiple proportions states:
3. The law of definite proportions states:
4. Dalton's atomic theory’s states:
5. Modern atomic theory differs from Dalton’s why?
6. What is a scientific law?
7. What is scientific theory?
8. Draw and label the structure of an atom
9. List the three subatomic particles and describe their properties
10. Describe J.J. Thomson's experiments, discovery & atomic model
11. Describe Ernest Rutherford's experiment, discovery & atomic model
12. How many protons, neutrons and electrons does the following isotope have?



1. Construct a nuclear symbol for an isotope that has 11 protons, 11 neutrons and 11 electrons.
2. How many protons, neutrons and electrons does the following isotope have?

Krypton-85

1. Construct a hyphen notation for an isotope that has 80 protons, 120 neutrons and 80 electrons.