

Grade 10 Science

Activity Sheet

Structure of Matter



Lesson Number 1

Activity Sheet

- 1) What is the difference between matter and energy?
- 2) Divide the matter in to 3 according to the physical nature?
- 3) Divide the matter in to 2 according to its chemical nature?
- 4) What are the 2 types of pure substances?
- 5) Who introduce the term atom?
- 6) Explain the atomic structure of Rutherford?
- 7) Name 2 Sub atomic particles?
- 8) Fill in the following table of subatomic particles?

Subatomic particle	Charge	Mass
Proton		

Electron		
Neutron		

9) Compare energy of innermost shells and outermost shells of an atom.

10) The atomic number of Magnesium is 12 and its mass number is 24.

- I. Write the atomic number and the mass number of Magnesium in the standard form?
- II. What is the number of neutrons in a Magnesium atom ?

