6. 1 Classification of Elements

1. Match the following word with the sentences below

Molecule	Compound	Atom	Electron	Molecule	Ion	Element
Proton	Nucleus	Atom	Nucleus			

All matter is made up of small discrete particles

a. There are three types of particles which make up matter : _____, _____ and _____.

b. An _____ is the smallest particle of an element and cannot be divided or destroy into anything smaller.

c. A _____ is a neutral particle consisting of two or more atoms chemically bonded.

d. An atom is made up of **three types of subatomic particles** which is _____, _____ and _____.

e. Proton and neutrons from the _____ in the centre of an atom, while electron move in the shell around the nucleus with very high speed.

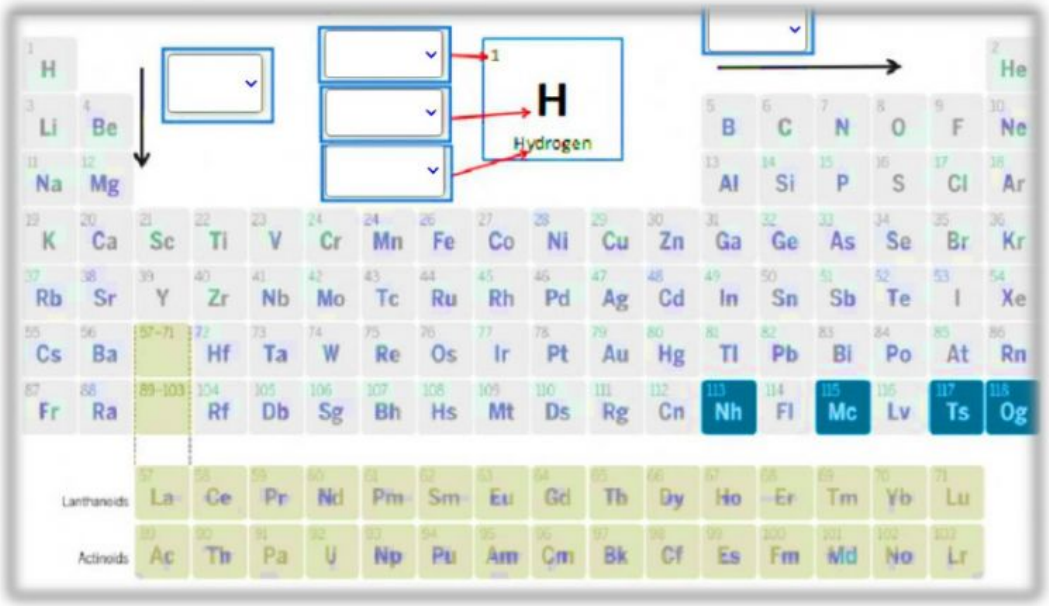
f. An _____ is a simplest form of substance that cannot be broken down into simpler substance by any physical or chemical method.

g. A _____ is a substance made up of two or more different elements chemically joined together in a fixed ratio.

2. Complete the table of properties of subatomic particles in an atom.

Subatomic particle		Symbol	Relative Charge	Relative mass
Inside the nucleus	Proton	*P*	+1	1
Outside the nucleus				

3. Put the correct answer in the space provided.



Finish!!