

2. The diagram shows the table of elements. There are over 120 different kinds of elements.

The diagram shows a standard periodic table of elements. The main table has 7 periods and 18 groups. The Lanthanides series (La to Lu) and Actinides series (Ac to Lr) are shown as separate rows below the main table, connected by lines.

- (a) What is the name of the table shown above? [1]
- (b) What name is given to the rows shown in the table? [1]
- (c) On the diagram above, shade in the column for noble gases. [1]
- (d) Noble gases are said to be **inert**. What does this mean? [1]
- (e) Name the elements of the symbols listed in the table below.

Element Symbol	Element Name
Mg	
F	

- (f) (i) How many atoms are in one molecule of glucose ($C_6H_{12}O_6$)? [2]
- number of atoms in one molecule of glucose: _____ [1]
- (ii) Identify the **THREE** elements that make up a glucose molecule.

[3]