

**Prospectus Novus School
Natural Sciences
Grade 9V**



Activity 2.1

1. Define the following terms:
 - a. Periodic table
 - b. Element
 - c. Atomic number
 - d. Mass number
 - e. Noble gases
 - f. Periods
 - g. Groups
2. Explain what you will find in each block of the periodic table
3. Here is an alphabetical list of the symbols for the first 20 elements:
Al, Ar, B, Be, C, Ca, Cl, F, H, He, K, Li, Mg, N, Na, Ne, O, P, S, Si.
Put the elements in order and supply the name for each symbol
4. Find the metals: iron, copper and zinc on the periodic table. Draw their blocks over.

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Activity 2.2

1. Define the following terms:
 - a. Element
 - b. Compound
 - c. Formula
 - d. Monoxide
 - e. Dioxide
 - f. Trioxide
2. Draw a table about some of the most common compounds we study. Table on pg. 73
3. What is the ratio of the following compounds?
NaCl; CO₂; H₂O; NaOH₃; HCl

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Activity 2.3 (Practical activity)

AIM: In this activity you will make models of several different molecules

MATERIALS:

Beads

Beans

Plasticise or playdough in at least two different colours

METHOD

Step 1 Use the periodic table to help you

Step 2 Make models of each of these molecules

O₂; CO; H₂O; CO₂; CuO; NaCl; SO₃

Step 3 Make a drawing of each model