

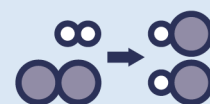


Relative Formula Mass

Answer the following questions.

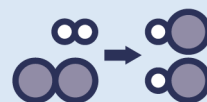
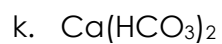
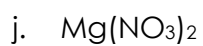
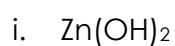
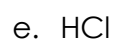
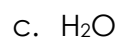
1. Circle the correct word to complete the sentence.
 - a. Relative atomic mass can also be written as **M_r** / **A_r**
 - b. Relative formula mass can also be written as **M_r** / **A_r**
 - c. The relative atomic mass of an **element** / **compound** can be found using the Periodic Table
 - d. The relative atomic mass can be found next to the chemical symbol, on a Periodic Table, and it is always the **bigger** / **smaller** / **top** / **bottom** number.

2. State the relative atomic mass for the following elements:
 - a. Nitrogen
 - b. Bromine
 - c. Neon
 - d. Thallium
 - e. Vanadium
 - f. Helium
 - g. Hydrogen
 - h. Oxygen
 - i. Carbon
 - j. Osmium
 - k. Gold
 - l. Copper



3. Calculate the relative formula mass of each of the following compounds.

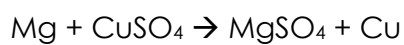
Show your working.





4. Prove that the M_r of products = M_r of reactants using the following equation.

(Ar: Mg = 24; Cu = 63.5; S = 32; O = 16)



5. A metal oxide has the formula MO, where M is the chemical formula for the metal and O is oxygen.

The relative formula mass for this compound is 40.

What is the metal?

