

**KENYA JUNIOR SCHOOL ASSESSMENT
GRADE 7
MARKING SCHEME
INTEGRATED SCIENCE**

1. Solids, liquids and gas.

2.

a. iron, steel, nickel and cobalt.

b. plastic, wood, copper and Aluminium.

3.

calcium- Ca.

chlorine- Cl.

copper- Cu.

4.

density = mass/volume.

Mass=675g.

Volume=15cmx5cmx3cm
=225 cm³

Density=675g/225cm³
= 3g/cm³.

5.

Solid to liquid - melting.

Liquid to gas -evaporation.

Gas to liquid – condensation.

Liquid to solid – freezing.

6.

Compressibility.

7.

a. Blue copper sulphate changed to white after heating. b. When water is added to the substance formed, it turns back to blue again.

c. temporary chemical changes or reversible chemical changes.

8.

table salt has two elements, sodium and chlorine.

This makes table salt a compound because it is made up of more than one element.

9.

Regular the amount of air entering the Bunsen burner which decides on the type of flame produced.

10.

NaCl -common salt.

H₂O -water.

CO₂ Carbon dioxide.

11.

a. An element.

Reason-Made up of same atoms.

b. A compound.

Reason- made up of atoms from two different elements.



12.
 Carbon dioxide.
 Foam.
 Water.
 Power.
 Wet chemicals.

13.

A	Fire extinguisher	Indicates or shows the position of a fire extinguisher in the building or its location
B	Fire pipe	indicates location of a fire hose in the building or in the area.
C	Fire telephone	where one can make an emergency call in case of fire outbreak.
D	Fire assembly point	A point of gathering or assembly in case of fire outbreak.
E	Fire exit	The route to use and exit the affected area in case of fire.
F	Fire alarm	Used to alert the users of the premises to exit/leave the area due to fire outbreak