

2.3 Chemical symbols

- a. Mg
b. Be
c. Fe

2.

Name of element	chemical symbol
hydrogen	H
helium	He
lithium	Li
beryllium	Be
boron	B

carbon	C
nitrogen	N
oxygen	O
fluorine	F
neon	Ne

3.

Chemical symbol	Name of element
Na	sodium
Mg	magnesium
Al	aluminium
Si	silicon
P	phosphorus
S	sulfur
Cl	chlorine
Ar	argon
K	potassium
Ca	calcium

4. Re V I Si O N I S Ne Ce S S Ar Y – revision is necessary.

2.4 Atoms

1. True- **a, c, e, f.**

False- **b, d, g.**

Corrected versions of false statements:

b. A model is an idea that explains observations and helps in making predictions.

d. One copper atom on its own does not have the same properties as a block of copper.

g. Platinum and silver atoms are different.

2. **a.** B, C, D, F

b. A, E

c. C, D

d. B, F

e. C, D

2.7 What's in a name?

1. **a.** Magnesium oxide.

b. Iron sulfide.

c. Aluminium chloride.

d. Iron bromide.

e. Potassium iodide.

f. Sodium nitride.

2. **a.** Calcium, carbon, oxygen.

b. Iron, sulfur, oxygen.

- c. Sodium, nitrogen, oxygen.
 - d. Potassium, phosphorus, oxygen.
3. a. Sodium carbonate.
b. Magnesium nitrate.
c. Copper sulfate.
- 4.

Molecule of compound made up of...	Name of compound
1 atom of carbon and 2 atoms of oxygen	carbon dioxide
1 atom of carbon and 1 atom of oxygen	carbon monoxide
1 atom of nitrogen and 2 atoms of oxygen	nitrogen dioxide
1 atom of sulfur and 3 atoms of oxygen	sulfur trioxide
1 atom of sulfur and 2 atoms of oxygen	sulfur dioxide