

ANG MO KIO SECONDARY SCHOOL  
LOWER SECONDARY SCIENCE

Worksheet: 'Number of Atoms and Number of Elements'

Name: Marking Scheme ( )

Class: \_\_\_\_\_

Date : \_\_\_\_\_

1. The formula for potassium sulfate is as follow:



- (a) How many elements are there in potassium sulfate? 3 (potassium, sulfur, oxygen)
- (b) How many atoms are there in 1 compound of potassium sulfate? 7

2. The formula for sodium carbonate is as follow:



- (a) How many elements are there in sodium carbonate? 3 (sodium, carbon, oxygen)
- (b) How many atoms are there in 1 compound of sodium carbonate? 6

3. The formula for propane is as follow:



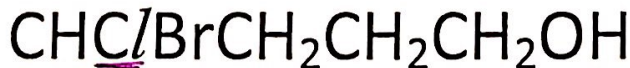
- (a) How many elements are there in propane? 2 (carbon, hydrogen)
- (b) How many atoms are there in 2 molecules of propane? 11 x 2 = 22

4. The formula for lithium ethanoate is as follow:



- (a) How many elements are there in lithium ethanoate? 4 (carbon, hydrogen, oxygen, lithium)
- (b) How many atoms are there in 3 compounds of lithium ethanoate? 8 x 3 = 24

5. The formula for bromochlorobutanol is as follow:



- (a) How many elements are there in bromochlorobutanol? 5 (carbon, hydrogen, chlorine, bromine, oxygen)
- (b) How many atoms are there in 4 molecules of bromochlorobutanol? 15 x 4 = 60

6. The formula for magnesium nitrate is as follow:



- (a) How many elements are there in magnesium nitrate? 3 (magnesium, nitrogen, oxygen)
- (b) How many atoms are there in 1 compound of magnesium nitrate? 9