SECTION A

Question 1

1.1.1 D ✓✓

1.1.2 D ✓✓

1.1.3 C ✓✓

1.1.4 C ✓✓

1.1.5 A ✓✓

1.1.6 A ✓✓

1.1.7 D ✓✓

1.1.8 A ✓✓

1.1.9 D ✓✓

1.1.10 A ✓✓ (20)

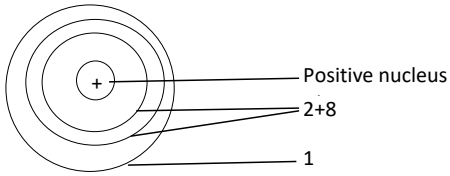
Commented [LM1]:

SECTION B

Question 2

2.1.1 Under paraffin or oil ✓ (1)

2.1.2



(3)

Not labels-indicated on diagram ✓✓✓

2.1.3 1 ✓ (1)

2.1.4 a) 12✓

b) 11✓ (2)

2.1.5 Yes ✓, the number of protons and electrons ✓ are the same (equal) (3)

2.2.1 Yellow ✓ (1)

2.2.2 White ✓ solid (powder)✓ (2)

2.2.3 4Na ✓ + O_2✓⟶ $2Na_2O$ ✓✓ (4)

[17]

Question 3

3.1 Non-metal oxide ✓ (1)

3.2.1 Magnesium bromide ✓

3.2.2 Calcium hydroxide ✓ (2)

3.3.1 K_2SO_4 ✓✓

3.3.2 $CaCl_2$ ✓✓ (4)

3.4.1 3 ✓

3.4.2 9 ✓ (2)

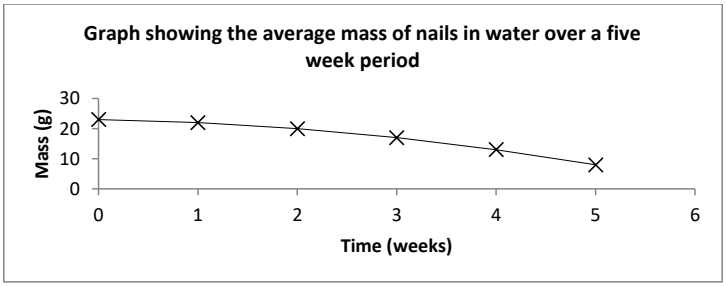
3.5.1 $4Fe + 3O_2 \longrightarrow 2Fe_2O_3$ O balanced ✓; Fe balanced ✓

3.5.2 $4P + 5O_2 \longrightarrow 2P_2O_5$ O balanced ✓; P balanced ✓ (4)

[13]

Question 4

4.1.1 Heading ✓, X-axis label and unit ✓, y-axis label and unit ✓, scale both axis ✓ plotting and joining points ✓



(6)

4.1.2 Time (1)

4.1.3 Same amount of water ✓
Nails same mass ✓
Nails same material ✓
Nails same shape ✓
Nails same size ✓ (any two) (2)

4.1.4 Galvanising ✓
Painting ✓ (any one) (1)

[10]