

Year 10 Chemistry Practice Test 2018

Name: _____

Total Marks: /24

Working Time: 35 minutes

Use the periodic table provided to answer the following questions:

1. Fill in the table below:

(4 marks)

Atom/ion	Name of atom/ion	Number of Electrons	Number of Protons	Number of Neutrons	Electron Configuration
F					
N ³⁻					
K ⁺					
Ca					

2. Using Magnesium (Mg) as an example, explain what the periods and groups of the periodic table represent:

(4 marks)

3. Draw electron dot diagrams for the following:

(4 marks)

Chlorine	O ₂	Nitride	Lithium Oxide
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4. Describe why covalent and ionic bonds do not allow electrical conduction, whereas metallic bonds do: (4 marks)

5. Name the type of bond involved in the following compounds: (4 marks)

NH ₃	
Fe	
BaI ₂	
O ₂	

6. Write the symbols and the charge of the following polyatomic ions in the table below: (4 marks)

Polyatomic Ion Name	Symbols (including valency)
Hydroxide	
Carbonate	
Ammonium	
Ethanoate	

End of Test