

ATOMS AND THE PERIODIC TABLE

END OF TOPIC ASSESSMENT



FOUNDATION TIER

Q1. Hydrogen and oxygen **1 mark**

Q2. Iron **1 mark**

Q3. combined The nucleus

Q3. separate Oxygen **1 mark only**

Q4. - Unreactive **1 mark**
 - Group 1 **1 mark**
 - The halogens, reactive **1 mark**
 (Total 3 marks)

Q5.

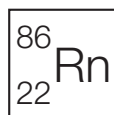
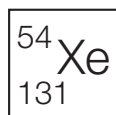
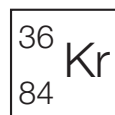
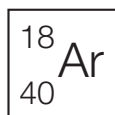
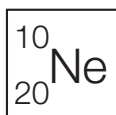
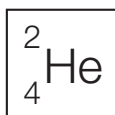


1 mark

Q6. +1 **1 mark**

Q7. 2 **1 mark**

Q8.



any one of these symbols

1 mark

Q9. Soluble **1 mark**

Q10. A carbon dioxide molecule **1 mark**

Q11. A compound **1 mark**

Q12. Copper sulfate solution **1 mark**

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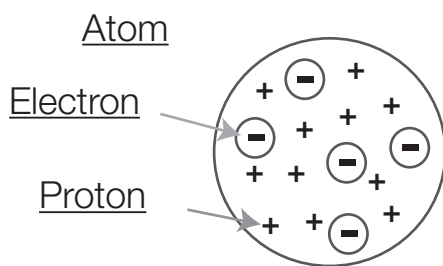
FOUNDATION TIER

Q13. $1.2 \times 10^{-10} \text{ m}$ 1 mark

The minus needs to be added

Q14. Neutrons 1 mark

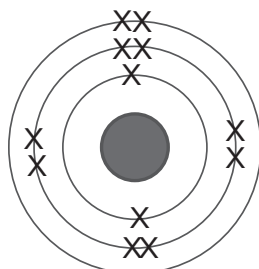
Q15. 2 marks



Q16. Order of sentences : 2, 1, 3, 5, 4 5 marks for correct order

Q17. The halogens 1 mark

Q18. 1 mark



2 electrons added to outer shell

Q19. ${}^7_3\text{A}^{1+}$ ${}^{23}_{11}\text{G}^{1+}$ 1 mark

They have the same charge or suitable alternative answer

Q20 combined First product: Potassium hydroxide
Second product: Hydrogen gas

Q20 separate Any transition metal and one use
e.g. Copper, a good conductor of heat and electricity 2 marks only

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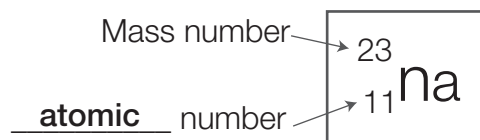
END OF TOPIC ASSESSMENT



FOUNDATION TIER

Q21.

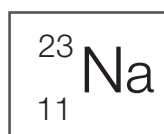
Full sentences required where possible



1 mark

An atom of sodium contains 11 protons ,12 neutrons and 11 electrons

2 marks



She is not correct. Sodium is in group 1 of the Periodic Table. should be capital N

2 marks



1 mark

(Total 6 marks)

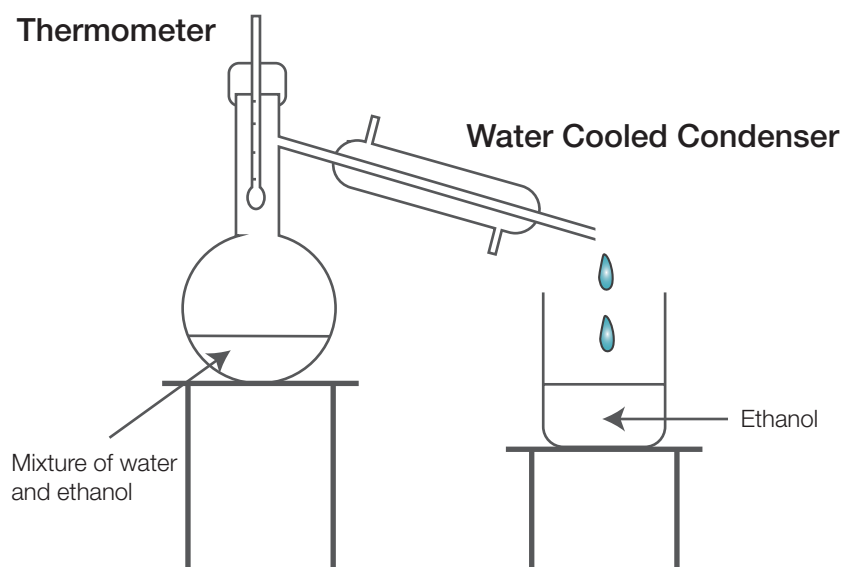
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Q22. Full sentences required



2 marks

The thermometer measures the temperature of the gases
The water cooled condenser turns the gases back to liquids

2 marks

They can be separated because water and ethanol have different boiling points. The process is called (simple) distillation

2 marks

(Total 6 marks)

Assessment Total : 40 Marks