

IB SL and HL Topic 1 to 5 Chemistry MCQ 40 Marks

1. What amount of oxygen, O_2 , (in moles) contains 1.8×10^{22} molecules?

- A. 0.0030
- B. 0.030
- C. 0.30
- D. 3.0

(Total 1 mark)

2. Which compound has the empirical formula with the greatest mass?

- A. C_2H_6
- B. C_4H_{10}
- C. C_3H_{10}
- D. C_6H_6

(Total 1 mark)

3. $__ C_2H_2(g) + __ O_2(g) \rightarrow __ CO_2(g) + __ H_2O(g)$

When the equation above is balanced, what is the coefficient for oxygen?

- A. 2
- B. 3
- C. 4
- D. 5

(Total 1 mark)

4. 3.0 dm^3 of sulfur dioxide is reacted with 2.0 dm^3 of oxygen according to the equation below.



What volume of sulfur trioxide (in dm^3) is formed? (Assume the reaction goes to completion and all gases are measured at the same temperature and pressure.)

- A. 5.0
- B. 4.0
- C. 3.0
- D. 2.0

(Total 1 mark)

May 2013 Paper 1 Chemistry Sl

JS Bruner



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May 2013 Paper 1 Chemistry SI Book Review: Unveiling the Magic of Language

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