

PO ON COMMERCIAL ASSOCIATION WONG SIU CHING SECONDARY SCHOOL
2015 – 2016 First Term Examination
Chemistry

Form 3

Time: 9:45 – 10:30 a.m.

Full Mark: 100

Date: 14 January, 2016

No. of Pages: 2

Setter: Lau Hoi Yi

Answer ALL questions. Put all your answers in the answer sheets provided.

Section A: Multiple Choices (39%)

1. What is the meaning of the following hazard warning label?

- A Flammable B Carcinogenic
 C Oxidizing D Harmful



2. Which of the above diagrams best represents the arrangement of particles of a mixture of chlorine and argon at room temperature and pressure?



A



B



C



D

3. The table shows the melting points and boiling points of four substances at 1 atm pressure.

Substance	Melting point (°C)	Boiling point (°C)
W	-60	-5
X	-189	-55
Y	-40	60
Z	5	58

Which substance exists as a liquid at -50°C and room pressure?

- A W B X C Y D Z
- A Bromine B Magnesium C Nitrogen D Sulphur

5. Which of the following elements is a metalloid?

- A S B Ne C Br D Si

6. Atoms are electrically neutral because

- A neutrons are neutral. B they have the same number of neutrons and protons.
 C all subatomic particles are neutral. D they have the same number of protons and electrons.

7. Which of the following combinations concerning an atom $^{88}_{37}\text{X}$ is correct?

	Number of electrons	Number of neutrons	Number of protons
A	48	48	37
B	37	37	48
C	37	48	37
D	48	37	48

8. Which of the following species contains the same number of neutrons as $^{27}_{13}\text{Al}$?

- A $^{25}_{12}\text{Mg}$ B $^{20}_{10}\text{Ne}$ C $^{32}_{16}\text{S}$ D $^{28}_{14}\text{Si}$

9. Which of the following is most likely to represent an isotope of $^{52}_{24}\text{X}$?

- A $^{52}_{23}\text{X}$ B $^{52}_{24}\text{X}$ C $^{53}_{24}\text{X}$ D $^{72}_{24}\text{X}$

10. The following is an electron diagram of an atom of element Y:



(Only electrons in the outermost shell are shown.)

The atomic number of Y could be

- A 5 B 7 C 11 D 13

11. Which of the following pairs of elements belong to the same period?

- A Boron and fluorine B Beryllium and sulphur C Magnesium and neon D Potassium and helium

F3 Chemistry Paper

Camilla Rothe



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