

2015

**Task 6 Chemistry 1 Test Answer Sheet**

Name: Solutions

**Section 1: Multiple choice:**

15 Questions – place a cross (X) on your selection

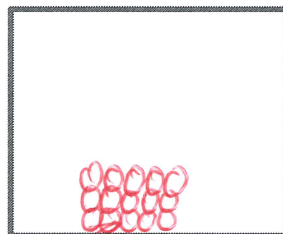
1. A B ~~C~~ D
2. ~~A~~ B C D
3. A ~~B~~ C D
4. A B ~~C~~ D
5. ~~A~~ B C D
6. A ~~B~~ C D
7. A B ~~C~~ D
8. A ~~B~~ C D
9. A B C ~~D~~
10. A B ~~C~~ D

11. A B ~~C~~ D
12. A B ~~C~~ D
13. ~~A~~ B C D
14. A B C ~~D~~
15. ~~A~~ B C D

Multiple choice mark: \_\_\_\_\_ / 15 marks

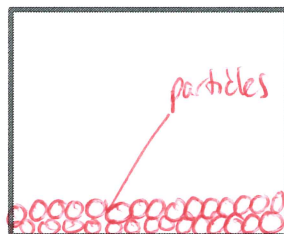
**Section 2: Written section**

1.



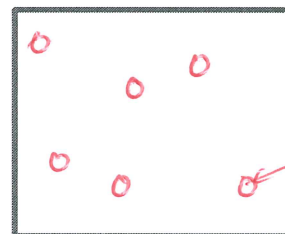
particles

Solid



particles

Liquid



particles

Gas

① each

1 mark each –

Mark achieved: \_\_\_ / 3 marks

2.

The particles move faster when heated – (½)  
As they move faster they break  
the bonds between particles and change to – (½)  
a gas

Mark achieved: \_\_\_ / 1 mark

3. a) H

b) O

c) C

d) Na

( $\frac{1}{2}$ ) each

$\frac{1}{2}$  mark each

Marks achieved: \_\_\_ / 2 marks

4. a) Zinc

b) Silver

c) Chlorine

d) Iron

( $\frac{1}{2}$ ) each

$\frac{1}{2}$  mark each

Marks achieved: \_\_\_ / 2 marks

5. a) H<sub>2</sub>SO<sub>4</sub>

b) NH<sub>3</sub>

c) CO<sub>2</sub>

(1) each

1 mark each

Marks achieved: \_\_\_ / 3 marks

6. Complete the following table

(7 marks)

Chemical Formula	Name of elements	Number of each type of atom in each molecule
CH <sub>4</sub>	carbon hydrogen - (1)	For example C - 1 atom H - 4 atom
C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	carbon hydrogen oxygen - (1)	C - 6 H - 12 O - 6 - (1)
N <sub>2</sub> O	nitrogen oxygen - (1)	N - 2 O - 1 - (1)
NaHCO <sub>3</sub>	sodium hydrogen carbon oxygen - (1)	Na - 1 H - 1 C - 1 O - 3 (1)

(1) mark each

Marks achieved: \_\_\_ / 7 marks

7 Absolute zero is the theoretical temp  $-273^{\circ}\text{C}$  at which particles stop moving. (1)

Marks achieved: 1 / 1 marks

8 A balloon stays the same size because the inside pressure equals outside pressure. At altitude, atmospheric pressure is lower, therefore the balloon gets bigger to reduce its own pressure. (1)

Marks achieved: 1 / 1 marks

END OF TEST

TOTAL TEST MARK: / 35 MARKS

or equivalent