

Task 6 Chemistry 1 Test Answer SheetName: Solutions

Section 1: Multiple choice:

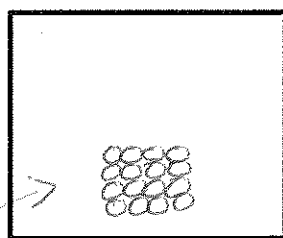
15 Questions – place a cross (X) on your selection

1. A B ☒ C D2. ☒ A B C D3. A ☒ B C D4. A B ☒ C D5. ☒ A B C D6. A ☒ B C D7. A B ☒ C D8. A ☒ B C D9. A B C ☒ D10. A B ☒ C D11. A B ☒ C D12. A B ☒ C D13. ☒ A B C D14. A B C ☒ D15. ☒ A B C D

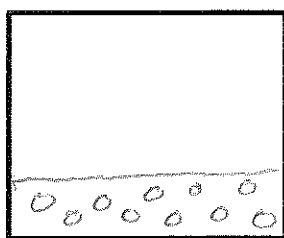
Multiple choice mark: ____ / 15 marks

Section 2: Written section

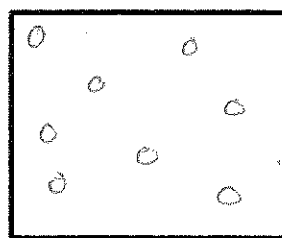
1.



Solid



Liquid



Gas

fixed shape.

fills container

fills part of container

1 mark each –

Mark achieved: ____ / 3 marks

2.

* particles move faster when heated.
 * break bonds and can spread out into container

Mark achieved: ____ / 1 mark

3. a) H

b) O

c) C

d) Na

½ mark each

Marks achieved: ___ / 2 marks

4. a) Zinc

b) Gold

c) Chlorine

d) Iron

½ mark each

Marks achieved: ___ / 2 marks

5. a) H₂SO₄

b) NH₃

c) CO₂

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 ₄	Carbon Hydrogen	For example C - 1 atom H - 4 atom
C ₆ H ₁₂ O ₆	Carbon Hydrogen	C - 6 H - 12 O - 6
N ₂ O	Nitrogen Oxygen	N - 2 O - 1
NaHCO ₃	Sodium Hydrogen Carbon Oxygen	Na - 1 H - 1 C - 1 O - 3

1 mark each

Marks achieved: ___ / 7 marks

7 Theoretical Temperature at which
particles stop moving ($\frac{1}{2}$)
At approximately -273°C ($\frac{1}{2}$)

Marks achieved: / 1 marks

8 Balloon rises - atmospheric air pressure
decreases ($\frac{1}{2}$)
As Air inside balloon can expand
more balloon increases in size ($\frac{1}{2}$)

Marks achieved: / 1 marks

END OF TEST

TOTAL TEST MARK: / 35 MARKS

or Balloon will pop prior to
data being collected (1)

