Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Year 8 Chemistry – Molecular Models /17**

**Part 1 – Practical**

*When it is your turn you will need to move around to each station and observe the examples displayed. It does not matter what order you view them in.*

**Station A (1 mark)**

What type of molecule can you see here?

**Station B (1 mark)**

Which of the following terms describe this example? You *may* need to circle more than one

Element

Compound

Mixture

Molecule

**Station C (1 mark)**

Which of the following terms describe this example? You *may* need to circle more than one

Element

Compound

Mixture

Molecule

**Station D (1 mark)**

Which of the following terms describe this example? You *may* need to circle more than one

Element

Compound

Mixture

Molecule

**Station E (1 mark)**

Which of the following terms describe this example? You *may* need to circle more than one

Element

Compound

Mixture

Molecule

What is another word that could be used to describe this example? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(**1 mark)**

**Station F (1 mark)**

What type of molecule can you see here?

**Station G (1 mark)**

This beaker contains plain water. Which of the following terms describe water? You *may* need to circle more than one

Element

Compound

Mixture

Molecule

**Part 2 – Written**

*Complete this section while sat at your desk*

Consider the following substances:

|  |  |
| --- | --- |
| Name | Diagram showing arrangement of atoms |
| Hydrogen peroxide |  |
| Hydrogen gas |  |
| Carbon dioxide |  |
| Oxygen gas |  |
| Ammonia |  |

1. a) Which of the diagrams above represents a compound?

(There *may* be more than one). (**3 marks)**

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b) Explain why you chose that diagram. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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c) Which of the diagrams on the previous page represents an element?

(There *may* be more than one). (**3 marks)**

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d) Explain why you chose that diagram.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Draw a diagram using any or all of these substances to show a model of a **mixture**.

**(3 marks)**

Explain the reasons behind the diagram you drew above. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Teacher Notes

Part 1 –Practical

Station A Compound Lattice Model

Station B An element as a molecule

Station C A compound as a molecule

Station D A mixture

Station E Element atoms Monatomic

Station F Non Metal Lattice

Station G Beaker of water