

NAME:

SUBJECT: SCIENCE YEAR: FOUR ASSIGNMENT NUMBER: FIVE

Write directly on the paper.

Maximum marks are given for answers containing plenty of detail, explanation and evidence.

Look carefully at the number of marks available for each question and always try to give one different piece of information for each of the marks available.

1. Think about the experiment where you wrapped different materials around a device which was making an alarm sound.

Name some of the materials you tested.

How well did the materials muffle the sound? What did you learn about the properties of materials, and how they can be used for this purpose?

(4 marks)

2. Is the following statement true or false?

Sound can travel through water. _____

(1 mark)

3. Explain the reason for your answer. What experiments did you carry out that proved whether this is true or false? How did they help your learning?

(5 marks)

ASSIGNMENT

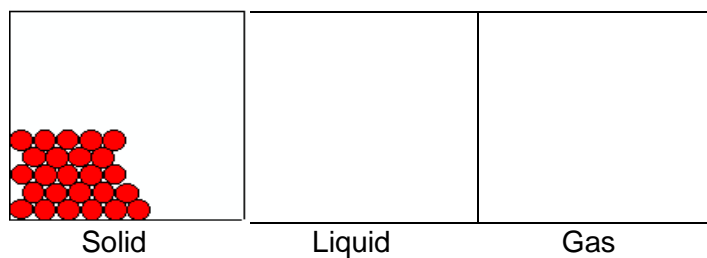


4. Match up the state of matter with its description.

State of matter	Description
Solid	Takes the shape of the container it is in.
Liquid	Has a fixed shape.
Gas	Spreads around to fill the space.

(2 marks)

5. Draw what the particles look like for a solid, liquid and a gas. One has been done for you. It is important to show how the distance between the particles changes.



(4 marks)

6. Use the words 'heating' or 'cooling' to complete the processes below:

Water → _____ → ice

Ice → _____ → water

Steam → _____ → water

Water → _____ → steam

(4 marks)

7. What experiment could we do to demonstrate (show) steam changing to water?

(2 marks)

8. Complete the following sentences by adding the missing words. Use the words below:

water | heat | evaporation | cool | liquid | condensation | melts | gas

When ice _____ it changes to water which is a _____. We can change water to a _____, called steam, by adding _____ to the water. When we see steam rising from the _____ as a gas, this is called _____. If we _____ steam down so it becomes a liquid again, this is called _____.

(8 marks)

TOTAL FOR ASSIGNMENT 30 MARKS