Henry Park Primary School
Primary 4 Science
Weighted Assessment 2

Marks: _____ / 15

Name: _____ ( ) Class: 4 ____ Duration: 45 minutes

Question 1

a) Fill in each of the blanks with a correct word.

A magnet has a _____ pole and a _____ pole. [1]

A magnet is strongest at its _____. [1]

Performance Task 1

You are given the following items.

- a magnet
- a metal bar

Use the items given to answer the following questions.

b) Which of the following about the metal bar is correct? Tick (✓) the correct box. [1]

(i) Metal bar is not a magnet. It is made of a magnetic material. ☐

(ii) Metal bar is a magnet. ☐

(iii) Metal bar is made of a non-magnetic material. ☐

c) Explain how you arrived at your answer in (b). [2]

_____

_____

Question 2

a) State what matter is.

Matter is anything that has _____ and occupies _____. [2]

Question 2 continued

b) **Performance Task 2**

You are given the following items.

- object X
- object Y
- a cup of water

Steps

- Put objects X and Y, one at a time, in the water.
- Observe what happens when each object is placed in the water.
- Record your observation in the spaces below.

(i) Object that floats in the water: Object _____ [2]

(ii) Object that sinks in the water: Object _____

(iii) The volume of the floating object cannot be measured using a measuring cylinder. Explain why. [1]

_____

Question 3

Diagram 1 shows a measuring cylinder containing water. Diagram 2 shows the same measuring cylinder of water with a piece of stone placed inside.

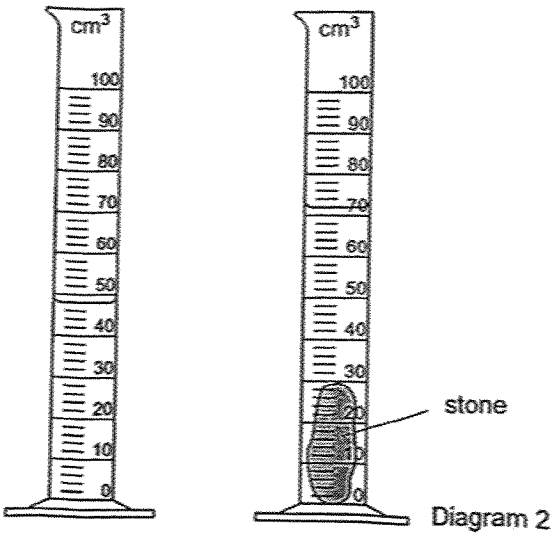


Diagram 1 Diagram 2

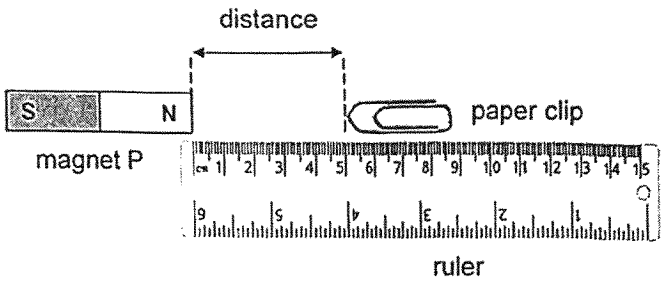
Question 3 continued

a) What is the volume of the water in diagram 1? _____ [1]

b) What is the volume of the stone in diagram 2? _____ [1]

Question 4

Peter was investigating the strength of two magnets. He used a paper clip, a metre ruler and two magnets, P and Q. The diagram shows how Peter set up his experiment.



Peter measured and recorded the furthest distance at which magnet P was able to attract the paper clip. He repeated the investigation using magnet Q.

a) State why the paper clip is attracted to the magnet. [1]

_____

Based on his investigation, Peter concluded that magnet Q is stronger.

b) Explain how Peter arrived at his conclusion. [2]

_____

_____

End of Weighted Assessment 2

SCHOOL : HENRY PARK SCHOOL
LEVEL : PRIMARY 4
SUBJECT : SCIENCE
TERM : 2025 WEIGHTED ASSESSMENT 2

Q1	a) A magnet has a North pole and a South pole. A magnet is strongest at its poles. b) ii) c) Bring both ends of the metal bar close to magnet and see which ends repels the magnet.
Q2	a) Matter is anything that has mass and occupies space. b) i) Y ii) X iii) The object cannot be fully submerged in the water.
Q3	a) 48m3 b) 24m3
Q4	a) The paper clip is made from a magnetic material. b) Peter put the paper clip further until magnet Q cannot attract the paper clip which is further than the furthest distance magnet P can attract.