

**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

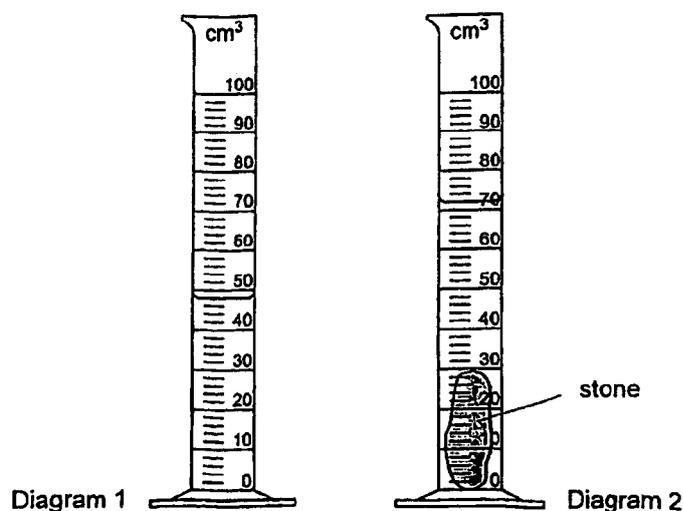
Steps

- 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]
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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.

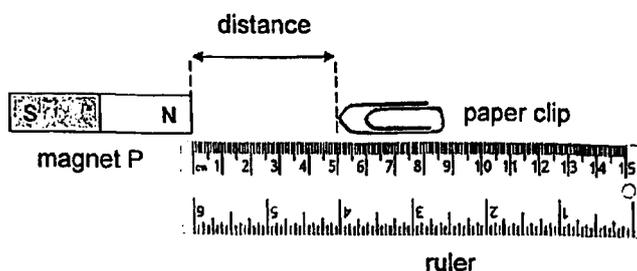


Question 3 continued

- 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 : WA2 2025

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

