

Test: Primary 4 Science (Term 3) - Pei Hwa

Points: 16 points

Name: _____

Score: _____

Date: _____

Signature: _____

Select multiple choice answers with a cross or tick:

Only select one answer

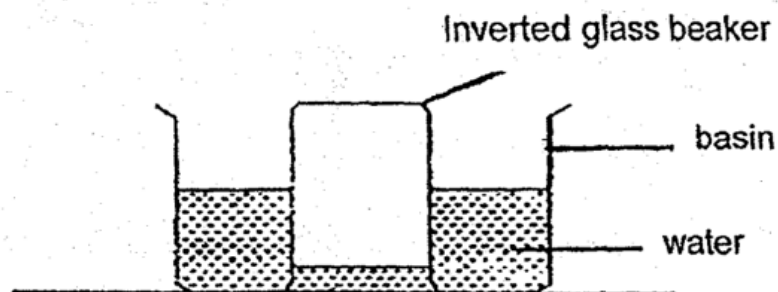
Can select multiple answers

Question 1 of 14

Primary 4 Science (Term 3) 2 pts

For each question, from 1 to 6, four options are given. One of them is correct.
(12marks)

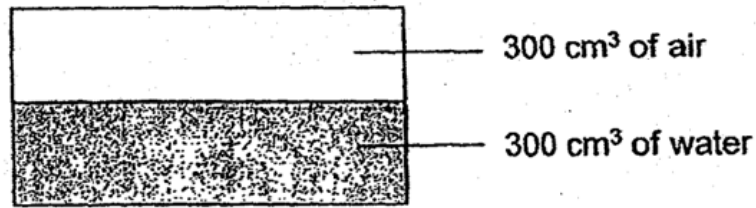
Alice took an empty glass beaker, inverted it and pushed it into a basin of water. She noticed that only a small amount of water entered the glass beaker.



This experiment showed that air _____.

- A) has mass
- B) can move
- C) takes up space
- D) cannot be compressed

A sealed container is filled with water and air as shown below.

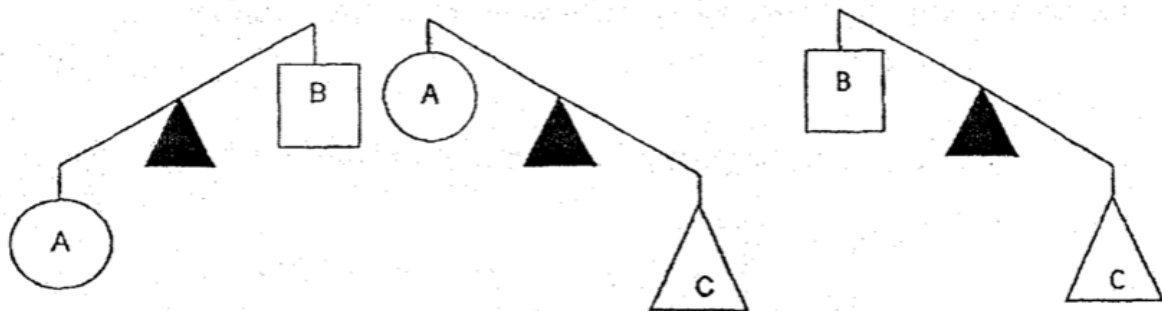


Gerald drained out 100cm³ of water and pumped in another 50 cm³ of air into the container.

What is the volume of air in the container after this?

- A) 450cm³
- B) 400cm³
- C) 350cm³
- D) 300cm³

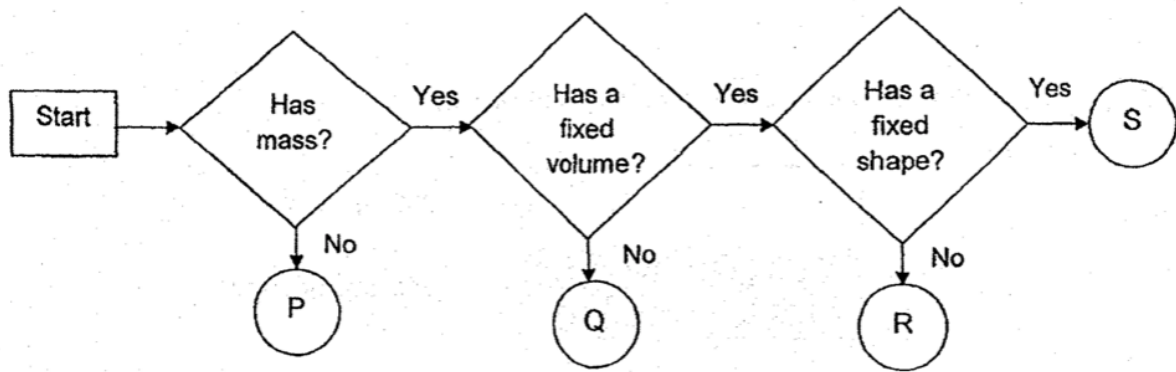
Three objects A, B and C have different masses. They are hung on a rod in pairs as shown below.



Arrange A, B and C according to their masses, beginning with the least mass.

- A) A, B, C
- B) B, A, C
- C) C, A, B
- D) C, B, A

Study the flowchart below.



Based on the information above, what could P, Q, R and S likely be?

	P	Q	R	S
(1)	Heat	Oxygen	Orange Juice	Milk
(2)	Shadow	Wind	Oxygen	Sponge
(3)	Heat	Orange Juice	Sponge	Oxygen
(4)	Music	Wind	Milk	Cup

- A) 1
- B) 2
- C) 3
- D) 4

Carrie left a jug of hot water on a table and measured the temperature of the water in the jug every minute for ten minutes. She recorded the temperatures taken in the table below.

Time (min)	0	1	2	3	4	5	6	7	8	9	10
Temperature (°C)	95	93	90	88	85	83	80	76	74	70	66

Which of the sentences below best describes the results?

- A) The surrounding air gained heat from the water in the jug
- B) The water in the jug gained heat from the surrounding air
- C) The water in the jug gained coldness from the surrounding air
- D) The surrounding air transferred coldness to the water in the jug

Question 6 of 14

Primary 4 Science (Term 3) 2 pts

An object from the Moon was brought to Earth by scientists. The properties of this objects are listed below:

- It has a definite shape
- It has a definite volume
- It cannot be compressed

Based on the information above. What is the state of matter of this object?

- A) Gas
- B) Solid
- C) Liquid
- D) a non-matter

Question 7 of 14

Primary 4 Science (Term 3) 1 pt

Diagram A shows the water level in a measuring cylinder. Diagram B shows the new water level when a stone is placed in the same measuring cylinder.

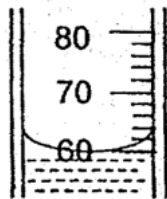


Diagram A

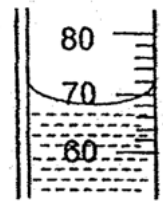


Diagram B

- a) How much water does the measuring cylinder contain before the stone was placed? [1]

_____ cm³

Question 8 of 14

Primary 4 Science (Term 3) 1 pt

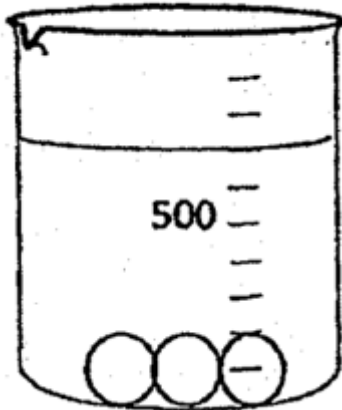
- b) What is the volume of the stone? [1]

_____ cm³

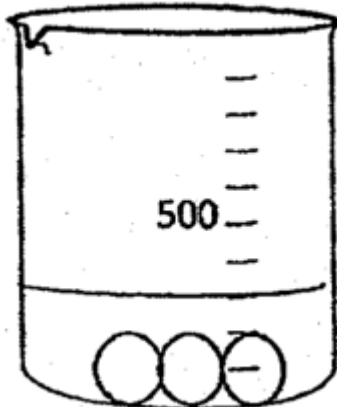
Eddie placed some marbles into a beaker and added 500 ml of water.

- a) Put a tick (✓) to show the final water level in the beaker after 500 ml of water is poured in. [1]

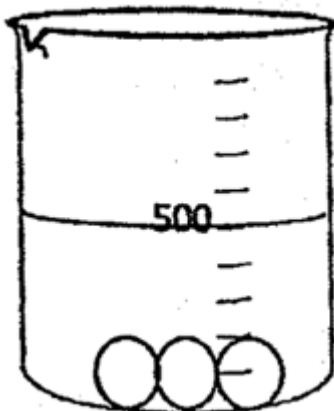
A)



B)



C)



Question 10 of 14

Primary 4 Science (Term 3) 0 pts

Give a reason for your answer in (a).

Question 11 of 14

Primary 4 Science (Term 3) 1 pt

Ben pumped 500 cm^3 of air into the sealed bottle with volume of 350 cm^3 as shown below.



Sealed bottle with volume of 350 cm^3

- a) State the volume of air in the sealed bottle after she had pumped in 500 cm^3 of air.

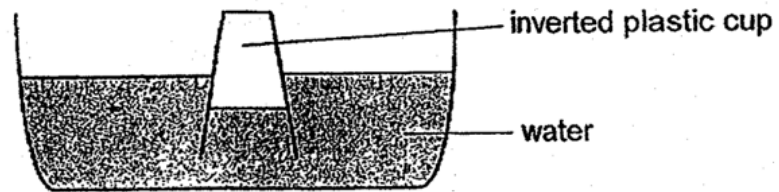
[1]

Question 12 of 14

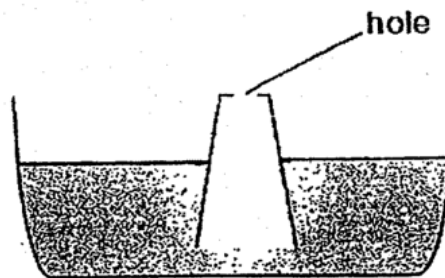
Primary 4 Science (Term 3) 0 pts

What are the 2 properties of gas shown in the experiment above?

Carol inverted an empty plastic cup into a basin of water. She observed the water level in the cup as shown in the diagram below.



- a) Without lifting the cup out of the basin, Carol then poked a hole in the base of the cup. Draw a line in the cup below to show clearly the new water level in the cup after she had poked the hole. [1]



Please type "done" to proceed to the next question

Give a reason for your answer in (a)
