

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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Primary 6

12/08/24

SCIENCE

August 2024

Paper 1

35 minutes

You must answer on the question paper.

No additional materials are needed.

INSTRUCTIONS

- Answer **all** questions.
- Use the black or dark blue pen.
- Write your name, center number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided
- Do **not** use an erasable pen or correction fluid.
- You should show all your working in the booklet.
- You are **not** allowed to use a calculator.
- **WRONG SPELLING** is ALWAYS **WRONG**.

For Teacher's Use	
Question No	Marks
1	
2	
3	
4	
5	
6	
Total	

INFORMATION

- The total mark for this paper is 40.
- The number of marks for each question or part question is shown in brackets [].

Invigilator Name:.....

Invigilator Sign:.....

1. Use the paragraph below to answer the following questions. Encircle the letter of your answer.

Two closely related populations of butterflies inhabit the same forest community. One population is light colored and the other is dark colored. Biologists suspect that the color of the butterflies somehow determines their population sizes. He concludes that the light color butterflies are more easily preyed upon by birds because they stand out against the dark tree trunks. To test his conclusions, he marks an equal number of dark and light-colored butterflies, releases them, and later traps the survivors. When he counts the trapped butterflies, he finds more dark colored ones than light colored ones.

- i. That both dark colored and light-colored butterflies are found is a(n)
 - a. fact
 - b. hypothesis
 - c. interpretation
 - d. conclusion
- ii. The biologist's idea that color influences the size of the butterfly population is a(n)
 - a. observation
 - b. fact
 - c. hypothesis
 - d. conclusion
- iii. The marking, trapping, and counting of butterflies is a(n)
 - a. experiment
 - b. theory
 - c. hypothesis
 - d. variable
- iv. The numbers of each color of butterfly he counts are
 - a. hypotheses
 - b. interpretations
 - c. data
 - d. experiments
- v. The results of counting the trapped butterflies
 - a. proved his conclusion about color
 - b. did not support his conclusion about color
 - c. supported his conclusion about color
 - d. showed no relationship between color and the population size of butterflies

[5]

[Total: 5]



2. Express the quantities that different SI measures.

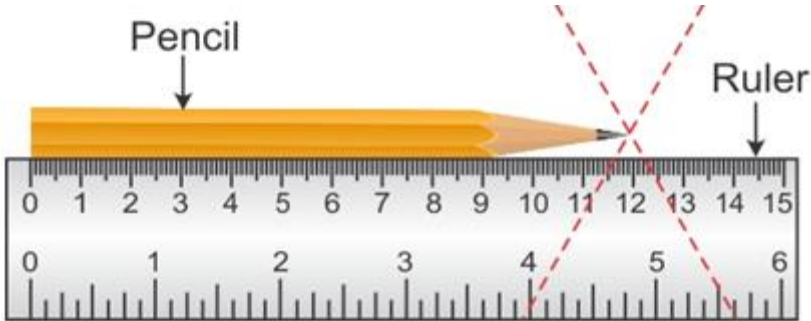
SI Unit	What It Measures	Symbol
Meter	Length	
Kilogram		kg
Second	time	s
Ampere		A
Kelvin	Temperature	
Mole		mol
Candela	Light Intensity	

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[6]

[Total: 6]

2a. Alexa has an extra pencil in answering her science notebook, she wants to buy another pencil with the same length of the one that she is currently using. Given the image below, what is the reading of her extra pencil?

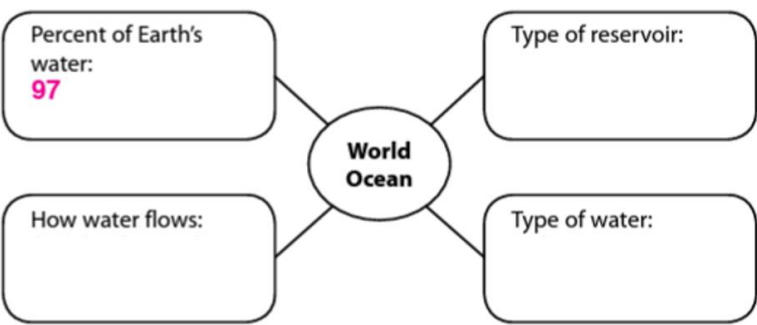


.....
..... [1]

[Total: 1]



3.. Based on the above diagram, characterize the world ocean using the concept below. An example is already shown.



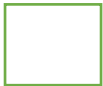
[3]
3a. On the diagram, it is shown that the fresh surface is only 1%. Give 3 ways on how to conserve water.

.....

.....

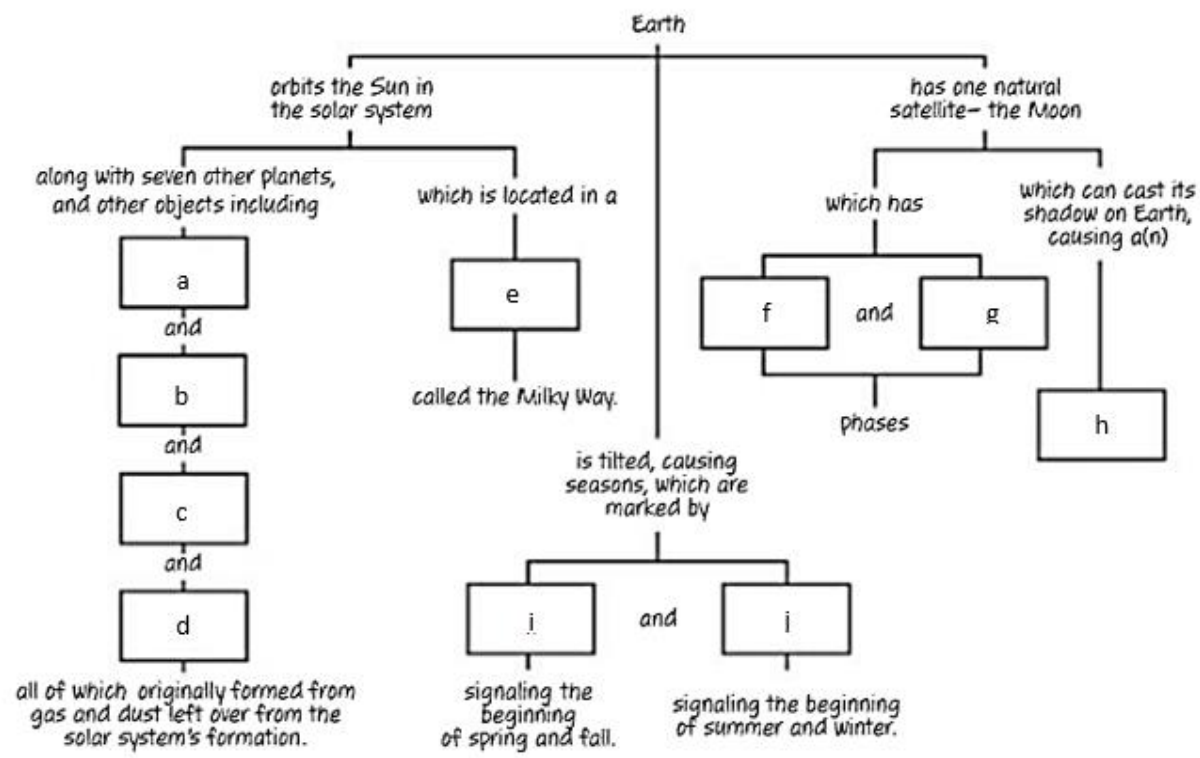
..... [2]

[Total: 5]



4. Completing Diagram. Given the graphic organizer below, Fill-out the missing details using word or group of words that completes the given statement.

For
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- a.
- b.
- c.
- d.
- e.
- f.
- g.
- h.
- i.
- j.

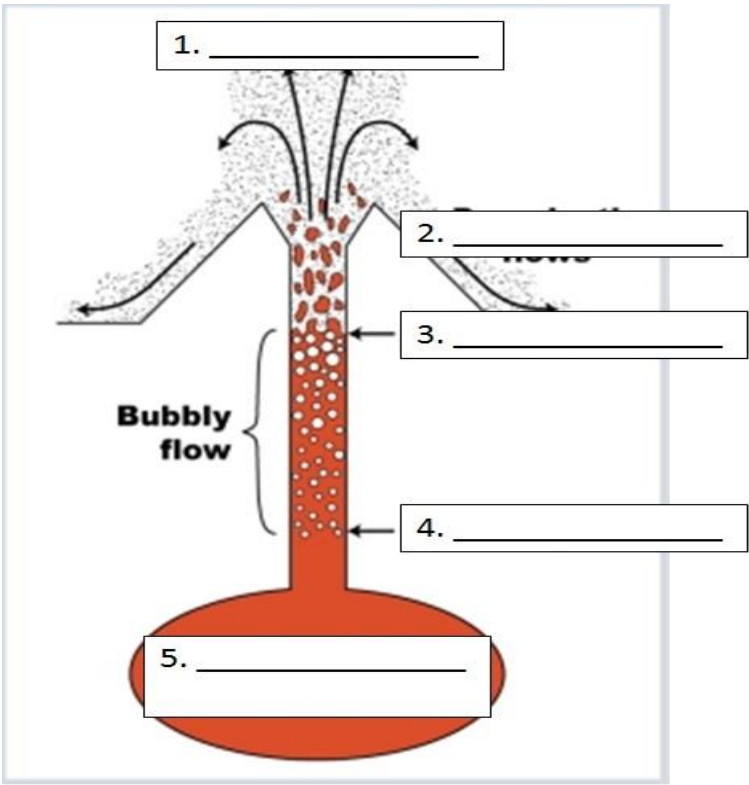
[10]

[Total: 10]



5. IDENTIFY and DESCRIBE the parts of volcano

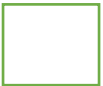
For
Examiner's
Use



- a.
- b.....
- c.....
- d.....
- e.

[10]

[Total: 10]



6. Fill in the Blanks.

1. In the grid system, _____ is the distance in degrees east or west of the prime meridian.
2. The prime meridian is the line of _____ degrees longitude, the starting point for measuring distance both east and west around Earth.
3. _____ is known as the distance in degrees north or south of the equator.

[3]

[Total: 3]

