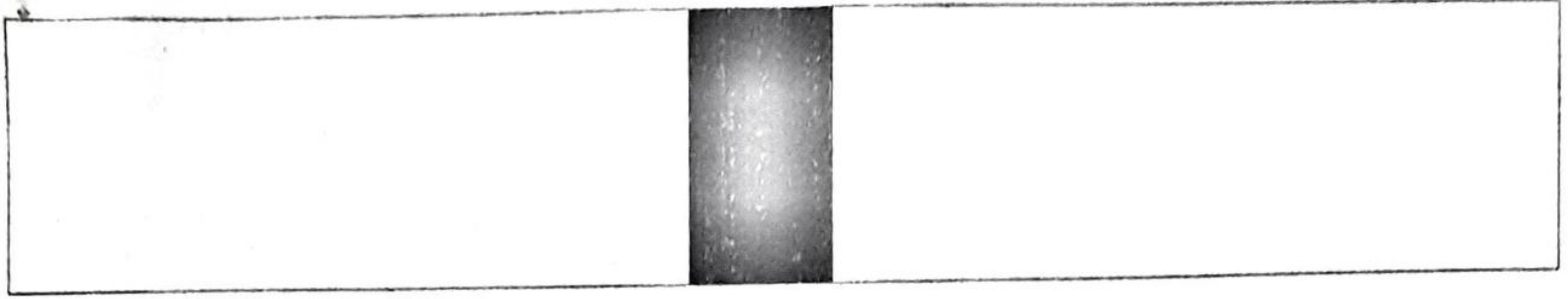


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Name .....

School .....

Roll No .....

**REPUBLIC OF SOMALILAND**  
**MINISTRY OF EDUCATION AND SCIENCE**  
**SOMALILAND NATIONAL EXAMINATION AND CERTIFICATION BOARD**  
**GRADE 8**

**SCIENCE**

June 2019

2 HOURS

**PLUS 10 MINUTES FOR READING THROUGH THE PAPER**

**INSTRUCTIONS:**

- This paper consists of **12** printed pages.
- Count them now. Inform the invigilator if there are any pages or extra ones

This Exam consists of **THREE** parts:

Part One	:	30 Multiple Choice	60 Marks
Part Two	:	3 Structured questions	30 Marks
Part Three:		2 Extended questions	10 Marks
<b>TOTAL</b>			<b>100 Marks</b>

- Answer **ALL** questions in Part 1 and Part 2 and part 3.
- Calculator, Mobile and extra papers are not allowed

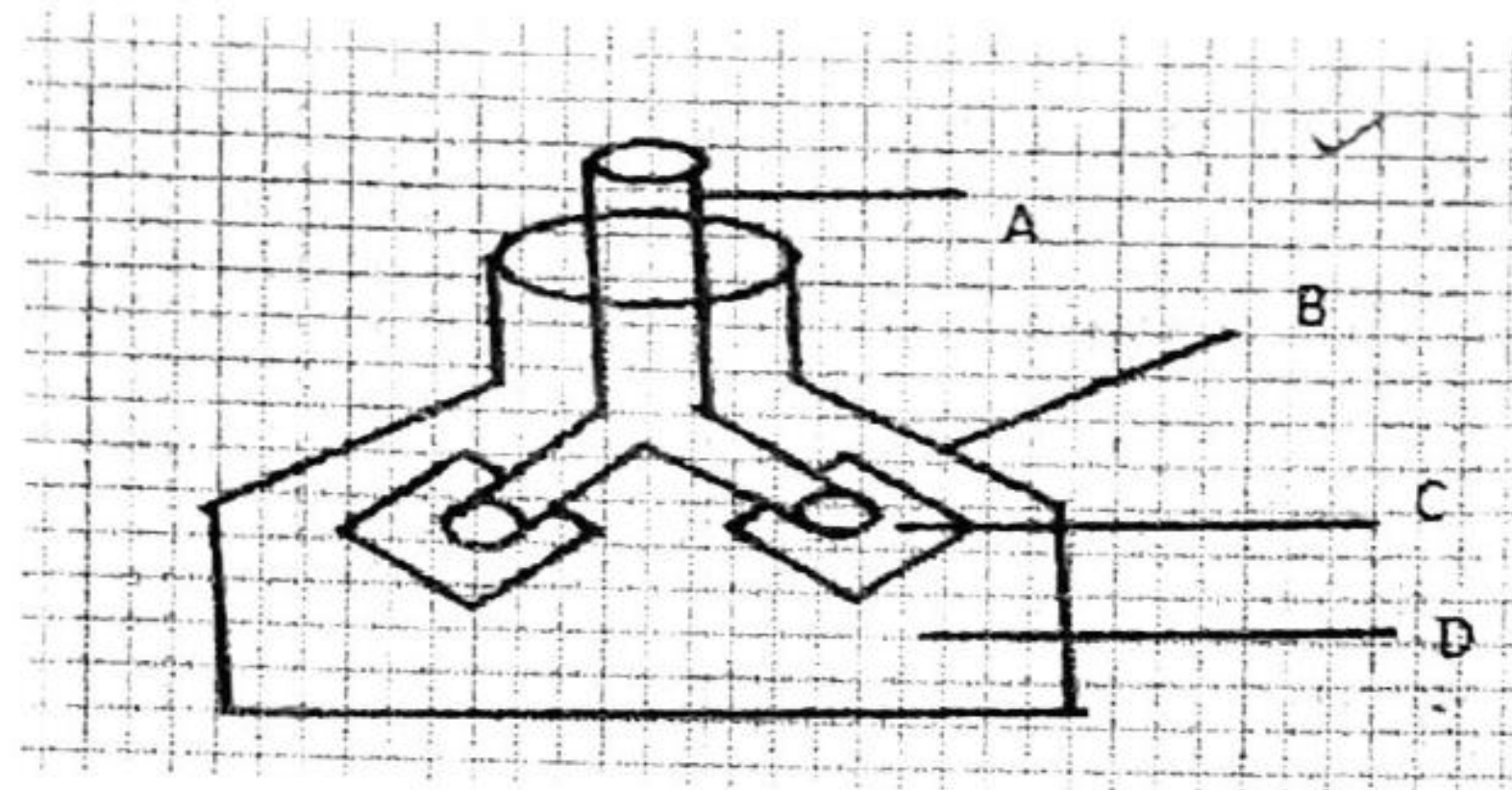


**PART 1: Multiple Choice Questions**  
**Circle the correct answers**

**(30x2=60 Marks)**

- 1) Malaria is a disease caused by a parasite called?
  - a) Mosquito
  - b) Plasmodium
  - c) Worms
  - d) Bacteria
  
- 2) An AIDS disease is caused by virus called:
  - a) AIDS
  - b) HIV
  - c) SIV
  - d) Bacteria
  
- 3) Fusion of male gamete cells and female gamete is called :
  - a) Breathing
  - b) Fertilization
  - c) Excretion
  - d) Organ system
  
- 4) Protein digestion start in the:
  - a) Mouth
  - b) Stomach
  - c) Small intestine
  - d) Gall bladder
  
- 5) How many chambers does the human heart have?
  - a) Six
  - b) Eight
  - c) Four
  - d) two
  
- 6) Frog's egg fertilization takes place in the :
  - a) Terrestrial land
  - b) Water
  - c) Frog
  - d) Air

- 7) The diagram below describes the human respiratory system.  
Which letter represents the lung?



- a) A                      b) B                      c) C                      d) D
- 8) The gas exhaled from lungs is called:  
a) Oxygen  
b)  $\text{CO}_2$   
c) Hydrogen peroxide  
d) Nitrogen
- 9) Which one of the following is not a taproot?  
a) Bulbs  
b) Tubers  
c) Leaves  
d) Corms
- 10) The part of the flower that becomes fruit is the:  
a) Stigma  
b) Style  
c) Ovary  
d) Egg

11) All lighting candle was covered by a glass jar and moments later the candle went off. This was because:

- a) Hydrogen was exhausted by the candle
- b) Oxygen was exhausted by the candle
- c) Nitrogen was exhausted by the candle
- d) Neon was exhausted by the candle

12) Autumn begins and finishes?

	<b>Begins</b>	<b>Finishes</b>
A	December	March
B	April	June
C	June	September
D	October	November

13) Which one of the following gasses helps burning?

- a) Oxygen
- b) Hydrogen
- c) Carbon dioxide
- d) Nitrogen

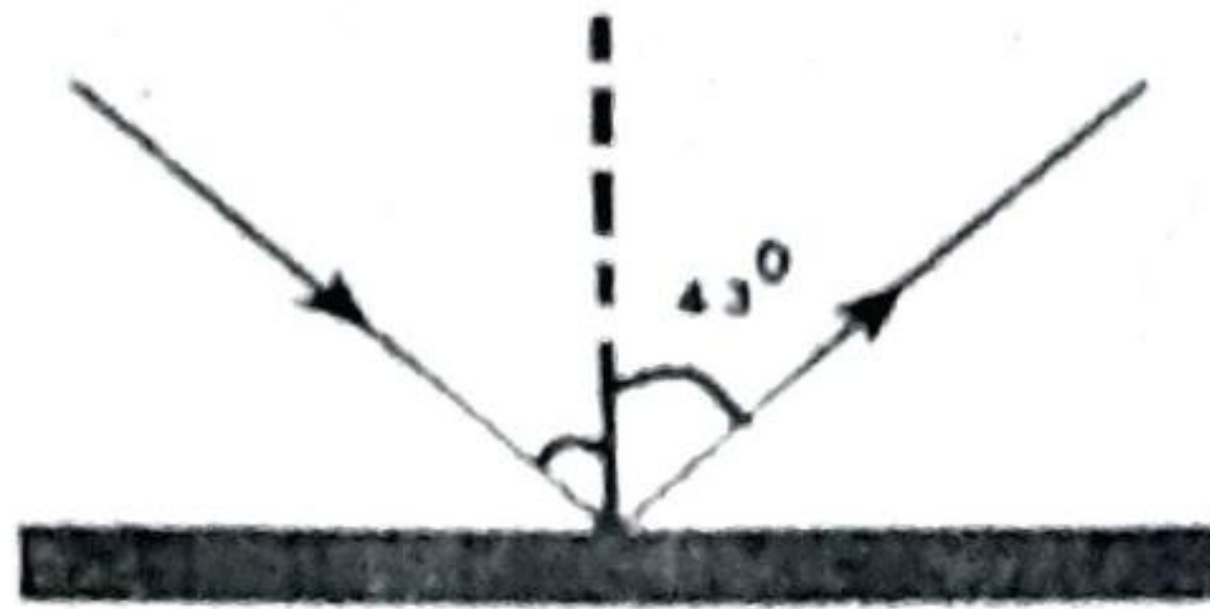
14) Sound is faster in :

- a) Liquid
- b) Gas
- c) Solid
- d) Vacuum

15) Mona shouts near a mountain, she hears the echo is caused by :

- a) Refraction of sound
- b) Diffraction of sound
- c) Reflection of sound
- d) Interference of sound

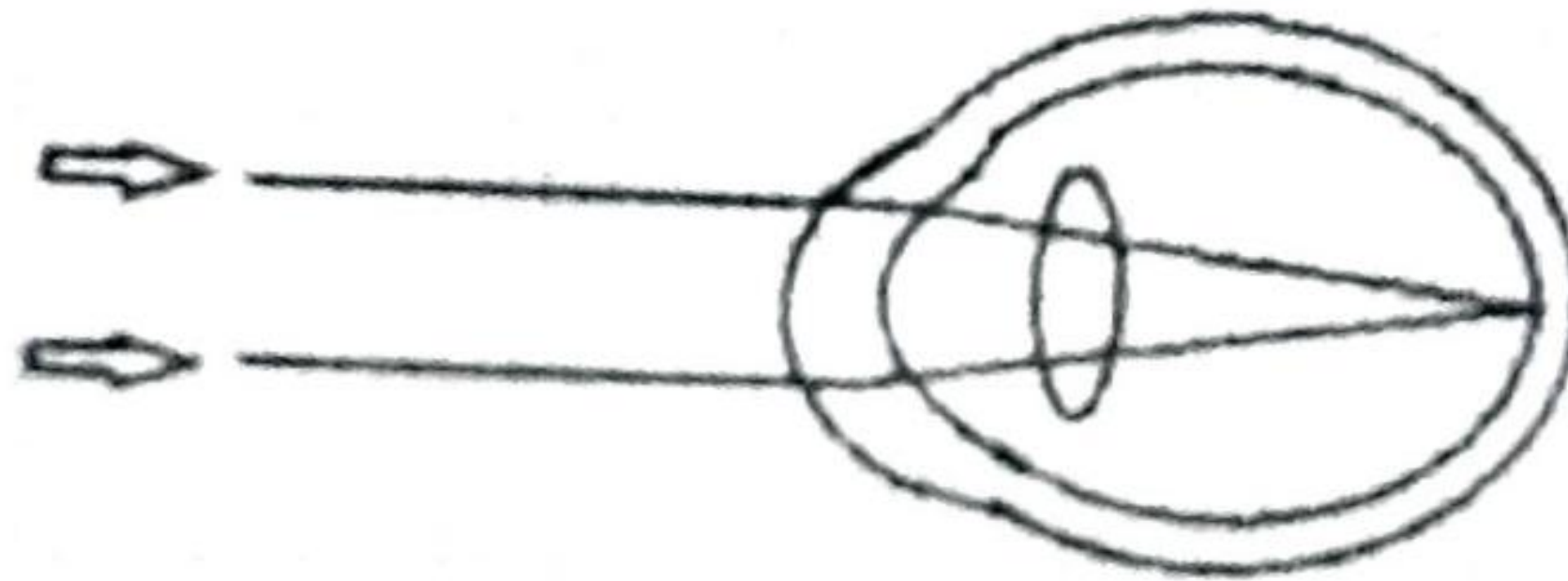
16) The diagram below shows the reflection of light:



The angle of incident is

- a)  $86^\circ$       b)  $47^\circ$       c)  $133^\circ$       d)  $43^\circ$

17) The diagram below shows two parallel light rays from



- a) Near object      b) Distant object      c) Middle distance object      d) None

18) The mixture of gases that surround the Earth are called:

- a) Climate  
b) Atmospheric Pressure  
c) Pressure  
d) Atmosphere

19) The temperature that pure water freezes is :

- a)  $100^\circ\text{C}$   
b)  $10^\circ\text{C}$   
c)  $0^\circ\text{C}$   
d)  $4^\circ\text{C}$

20)  $MnCl_2$  is made up of:

- a) An atom
- b) Two (2) atoms
- c) Three (3) atoms
- d) Five (5) atoms

21) Acid + Alkali  $\longrightarrow$  Salt + .....

- a) Carbon dioxide
- b) Hydrogen
- c) Oxygen
- d) Water

22) Which of the following substances store chemical energy:

- a) Light bulb
- b) Candle
- c) Spiral
- d) Football

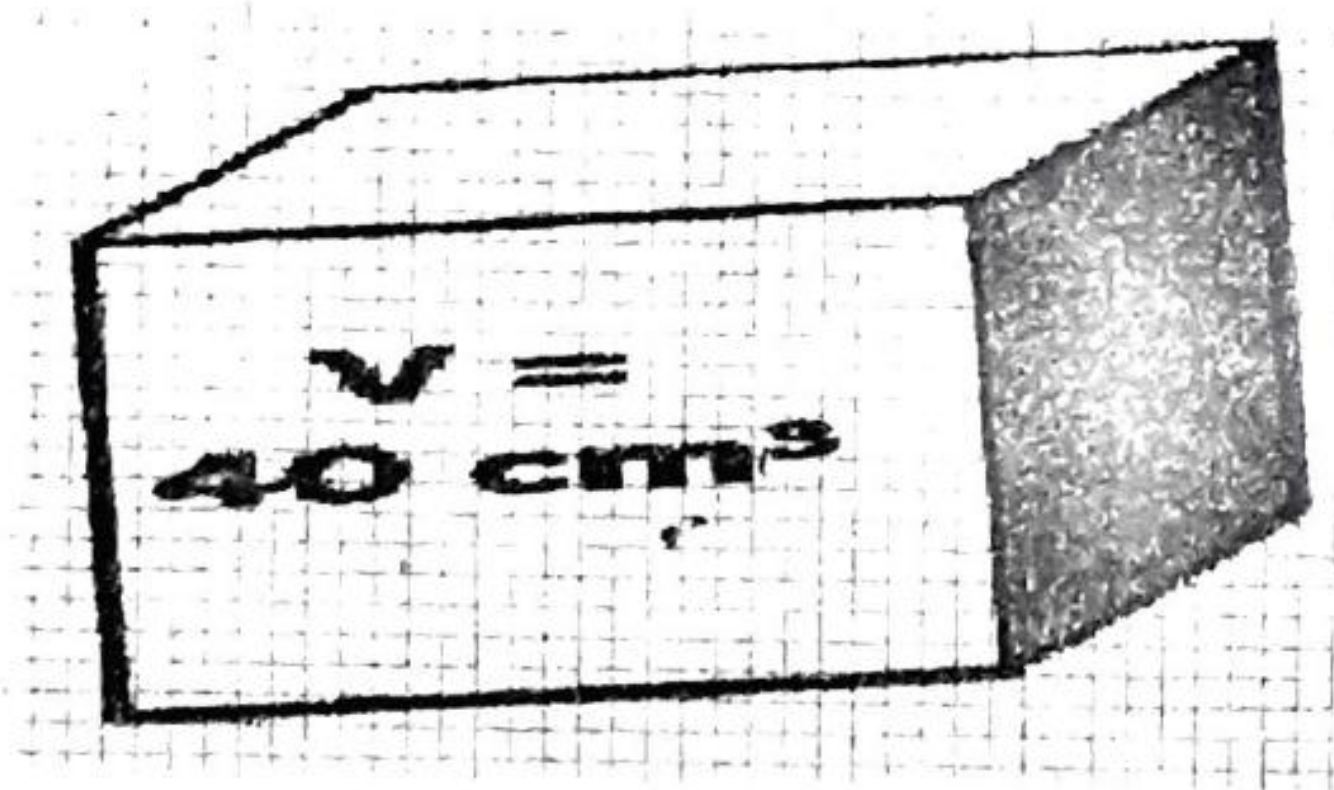
23) The energy stored in our food is known as energy:

- a) Mechanical energy
- b) Chemical energy
- c) Sound energy
- d) Potential energy

24) Which of the following substances is Not a matter:

- a) Air
- b) Heat
- c) Water
- d) Stone

25) An object has a volume of  $40\text{cm}^3$ , if the density of the object is  $0.8\text{g/cm}^3$ , what is the mass of the object?



- a) 32g      b) 5g      c) 50g      d) 0.02g

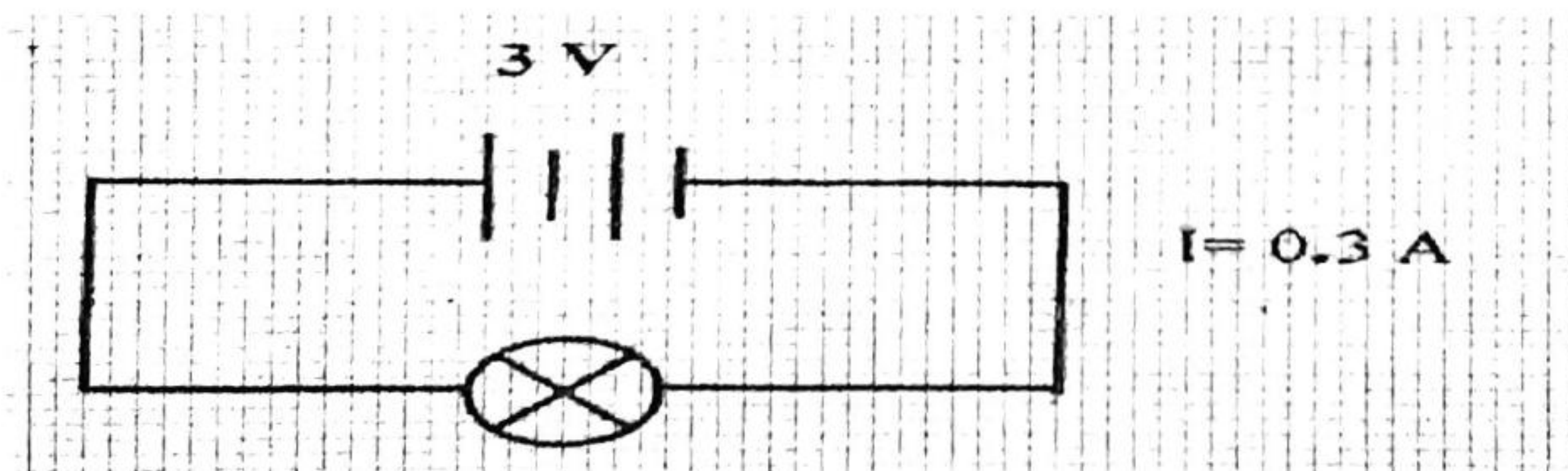
26) Salt dissolves in water to make :

- a) Suspension
- b) Solution
- c) Bubbles
- d) Residue

27) What is the total voltage of three dry cells connected in series circuit:

- a) 2V
- b) 3V
- c) 4V
- d) 4.5V

28) If you look at this picture. The resistance of the bulb is :



- a)  $5\ \Omega$       b)  $8\ \Omega$       c)  $10\ \Omega$       d)  $12\ \Omega$



29) The flow of electricity is the:

- a) Flow of electrons
- b) Flow of protons
- c) Flow of neutron
- d) Non

30) A spring is pulled down ward and readings and recorded:

Distance Pulled	Spring scale reading
1.0 cm	4N
1.5 cm	6N
2.0 cm	8N
2.5 cm	10N

If the spring is pulled 3.5 cm, the spring scale should read:

- a) 12N
- b) 13N
- c) 14N
- d) 15N

**PART 2 : Structured Question**

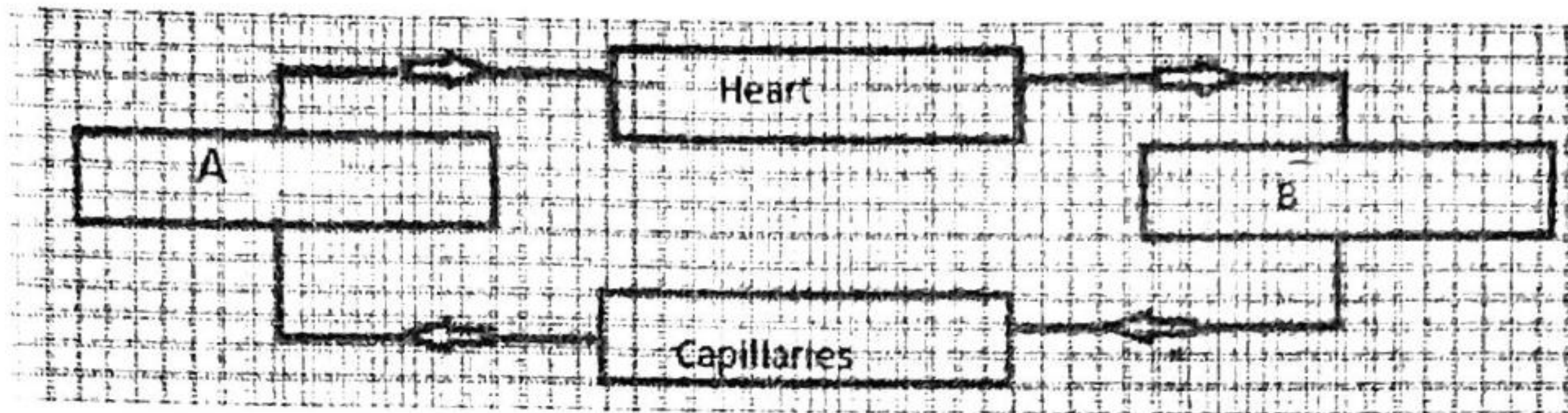
**(30 Marks)**

1. State any three characteristics living organisms differ from non living organisms?

(6 marks)

- a) .....
- b).....
- c).....

2. The diagram below shows blood circulatory system



a) Name the blood vessels represented by the letters? (3 marks)

A.....

B.....

b) State the blood vessel that carries oxygenated blood from heart? (3 marks)

.....  
.....

c) State the blood cells which?  
i. Carry oxygen (3 marks)

.....

ii. Defend germs from the human body (2 marks)

.....

iii. Make blood clotting when there is a wound in the human body? (2 marks)

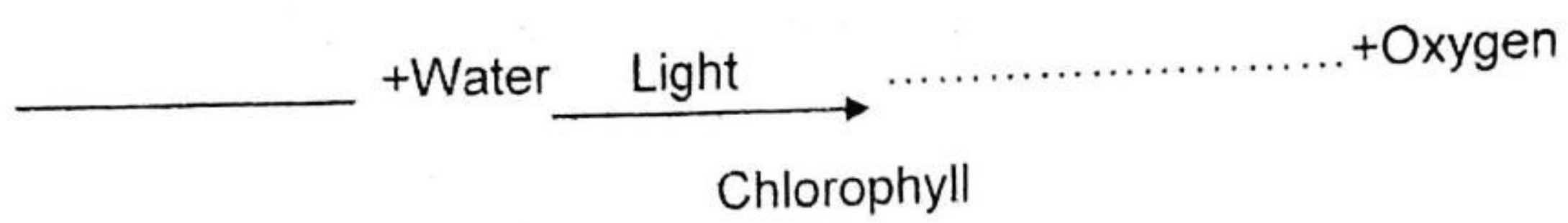
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3.

a) Name the process by which plants produce their own food? (4 marks)

.....  
.....

b) Complete the following formula? (4 marks)



c) When does photosynthesis take place? (4 marks)

.....  
.....  
.....  
.....

**PART 3: Extended Questions**

**(10 marks)**

1. Complete the table below. Put a tick (✓) for the correct space. (4 marks)

Substance	Acid	Base
Sour milk		
Saliva		
Pure milk		
Vinegar		

2. If the mass of a stone is 200g and its density  $3.3\text{g/cm}^3$ . Find the volume of the stone? (6 marks)

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**END**