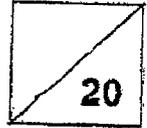




Anglo-Chinese School  
(Primary)  
A Methodist Institution  
(Founded 1836)



**P5 SCIENCE  
WEIGHTED ASSESSMENT 1**

Name: \_\_\_\_\_ ( )

Date: 25 February 2025

Class: P5 \_\_\_\_\_

**Optical Answer Sheet**

1
2
3
4
5
6

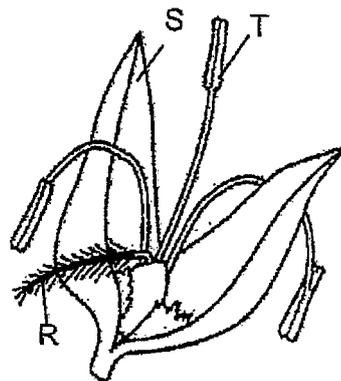
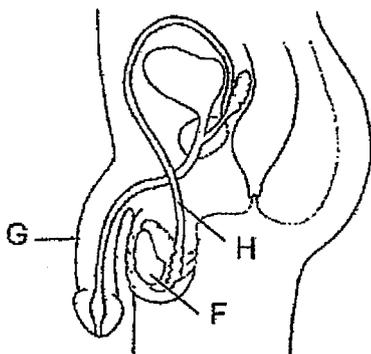


**Multiple Choice Questions (12 marks)**

For each question from 1 to 6, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer in the Optical Answer Sheet found on page 1.

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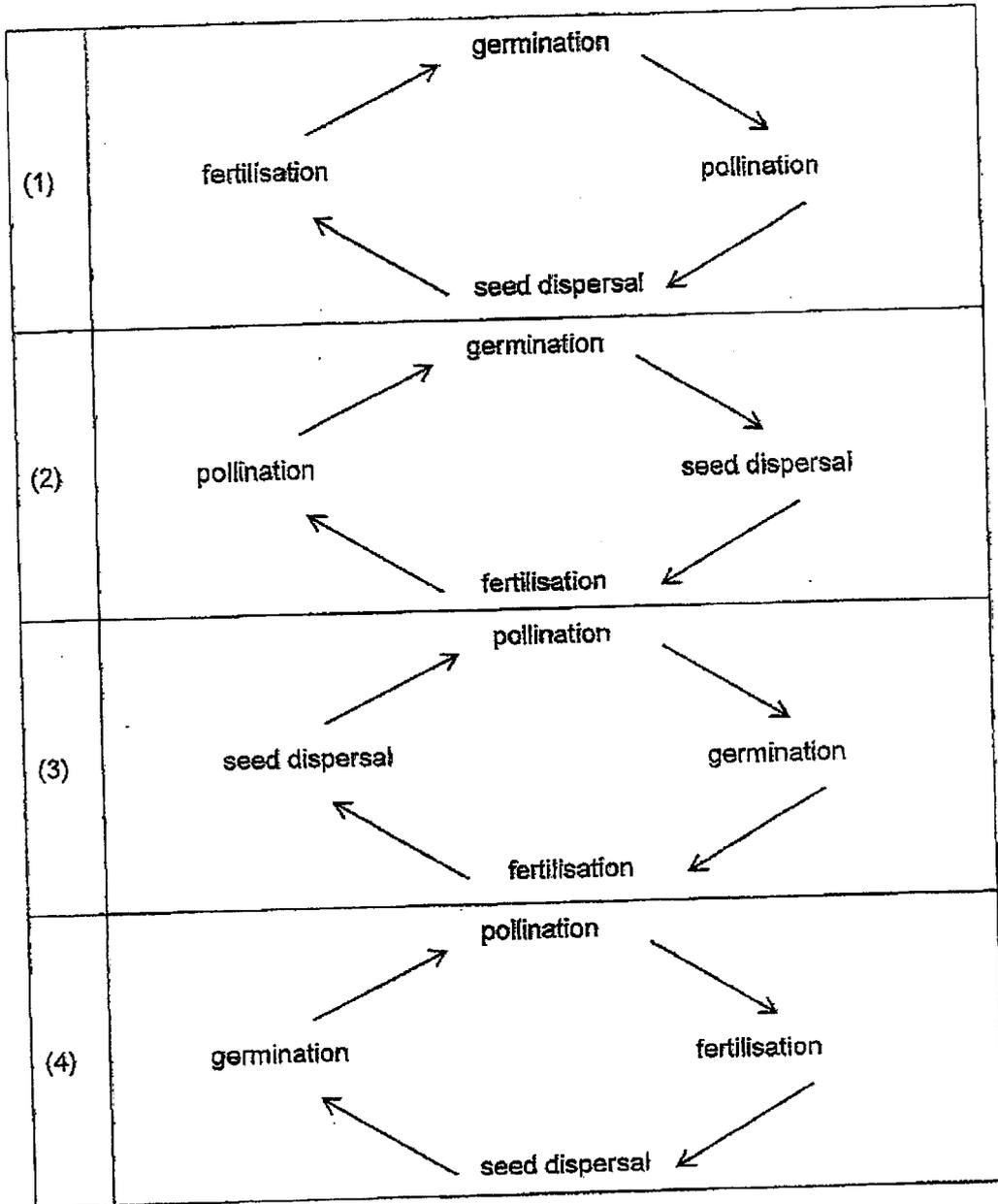
1 The diagram below shows the reproductive systems of a male human and a plant.



Which of the following parts perform the same function in reproduction?

- (1) G and T
- (2) H and S
- (3) F and T
- (4) F and R

2 Which one of the following shows the correct sequence in the reproduction of a flowering plant?



- 3 The diagram below shows the fruits of three types of plants.



Type 1

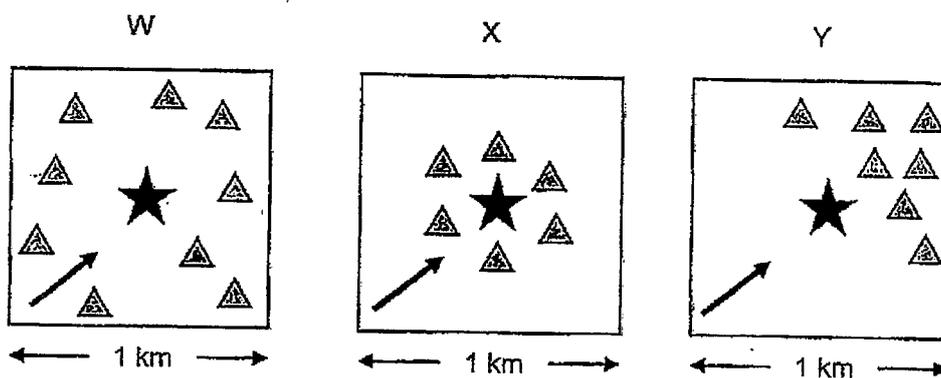


Type 2



Type 3

The dispersal patterns W, X and Y of the three species are shown below.

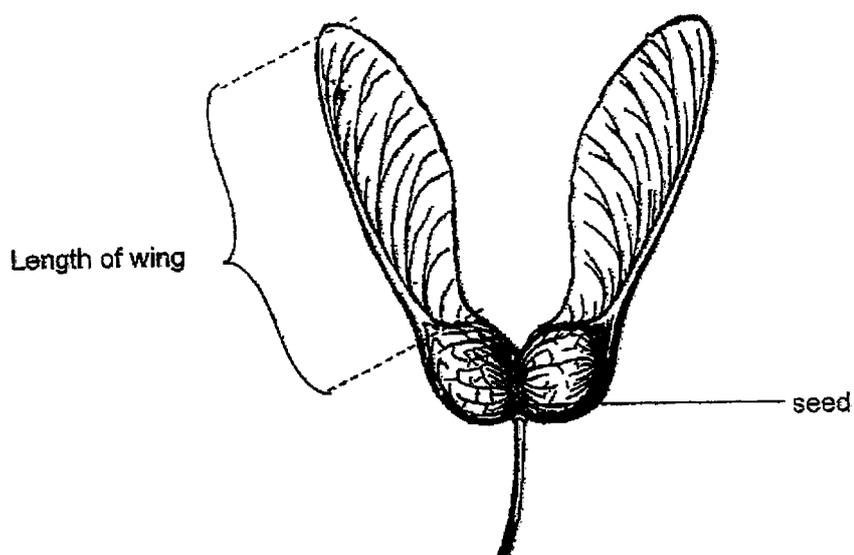


★	Represents the parent plant
▲	Represents the young plant
↗	Represents the direction of wind

Which of the following shows the correct match between the types of plants and the dispersal patterns?

	Type 1	Type 2	Type 3
(1)	X	W	Y
(2)	Y	W	X
(3)	W	X	Y
(4)	Y	X	W

- 4 The diagram below shows a seed.

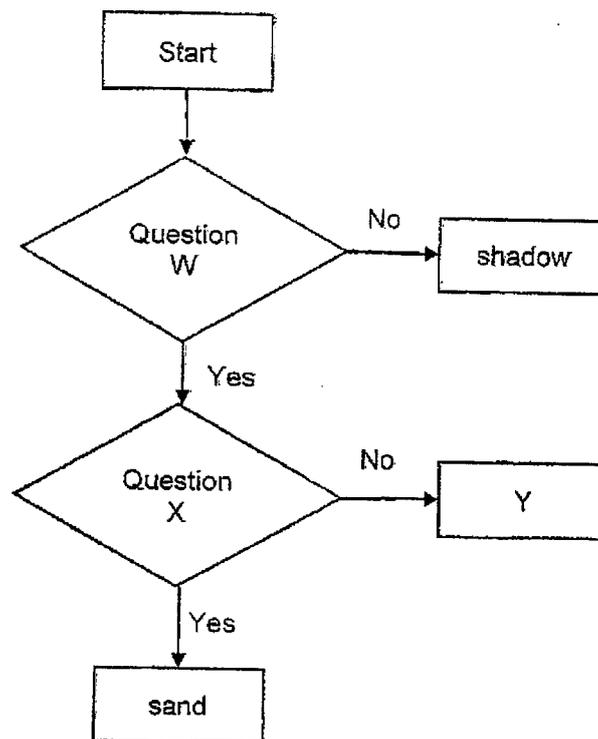


Lenny wanted to find out how the distance travelled by this seed is affected by its mass.

Which of the following should be kept constant for a fair test?

- A Mass of the seed
  - B Length of the wing
  - C Distance travelled by the seeds
  - D Height from which he released the seeds
- (1) A and C
- (2) B and D
- (3) C and B
- (4) D and A

5 Study the diagram below.



Which of the following correctly identifies questions W and X, and object Y?

	Question W	Question X	Y
(1)	Can it be compressed?	Does it have a definite shape?	water
(2)	Is it matter?	Does it have a definite volume?	air
(3)	Is it matter?	Does it have a definite shape?	water
(4)	Can it be compressed?	Does it have a definite volume?	air

- 6 Gordon has three similar bars C, D and E, made of different materials. He labelled the ends of each bar T and R as shown.



Bar

He placed the north pole of a magnet near each end of each bar.

The table below shows his observations.

Bar	Observation made when magnet was brought near end T of the bar	Observation made when magnet was brought near end R of the bar
C	Moves towards magnet	Moves towards magnet
D	Does not move	Does not move
E	Moves towards magnet	Moves away magnet

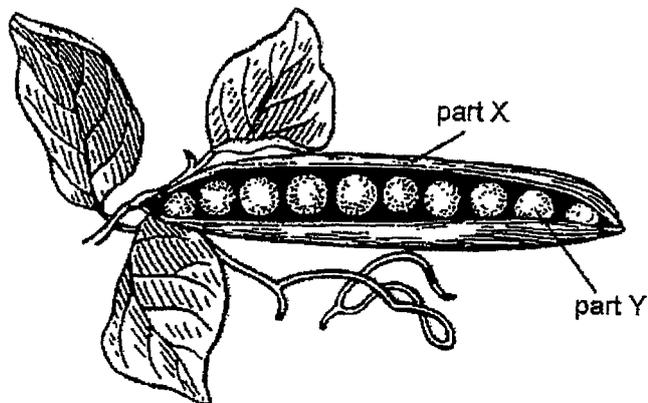
Which of the following correctly shows what bars C, D and E are made of?

	C	D	E
(1)	aluminum	magnet	iron
(2)	aluminum	iron	magnet
(3)	magnet	iron	aluminum
(4)	iron	aluminum	magnet

**Open-Ended Questions (8 marks)**

For questions 7 to 9, write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each part.

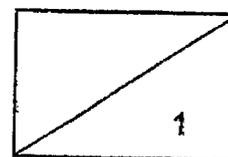
- 7 Study the diagram of a plant part below.



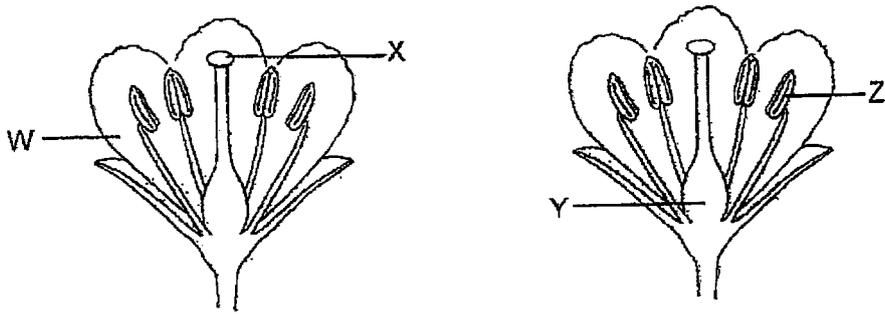
In the table below, state the name of the part of the flower where parts X and Y developed from.

[1]

Part	Part of flower it developed from
X	
Y	



8 The diagram below shows two flowers found on the same plant.



The flowers of the plant must undergo processes E successfully so that fertilisation can take place for fruits to develop.

(a) Describe process E using the labelled parts in the diagram. [1]

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(b) Explain how having many small seeds in the fruit helps the plant in its process of reproduction. [1]

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The young plants growing nearer the parent plant were observed to be smaller than other young plants growing farther away.

(c) Explain the above observation using your knowledge about seed dispersal. [2]

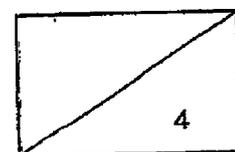
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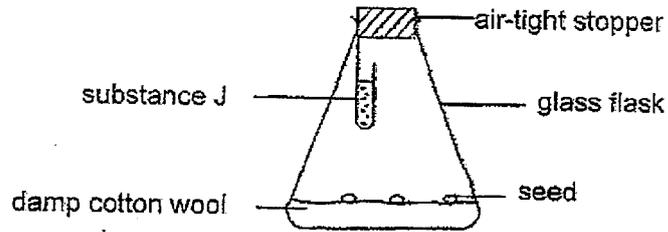
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- 9 An experiment was conducted using the set-up shown below. The set-up was placed in a dark room at room temperature.

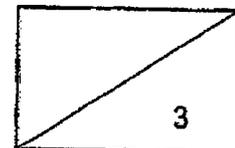


After one week, it was observed that none of the seeds in the set-up germinated.

- (a) Substance J is known to absorb a gas. Based on the information given, suggest what the gas is. [1]

Another experiment was then conducted without substance J and the seeds germinated.

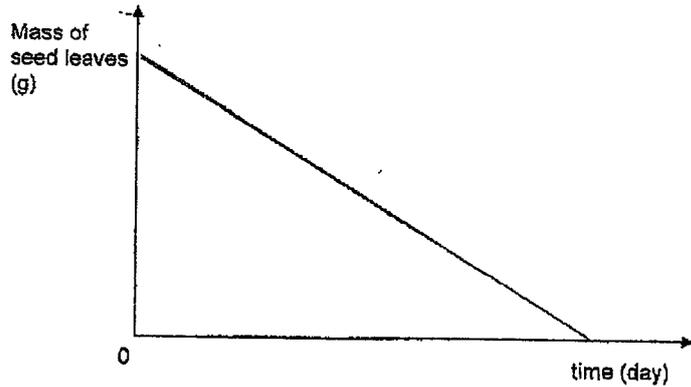
- (b) In the space below, draw a graph to show how the mass of the seed leaves of a seed change during germination. [2]





YEAR : 2025  
 LEVEL : PRIMARY 5  
 SCHOOL : ANGLO-CHINESE SCHOOL (PRIMARY)  
 SUBJECT : SCIENCE  
 TERM : WEIGHTED ASSESSMENT 1

Q1	3	Q2	4	Q3	2	Q4	2	Q5	2
Q6	4								

Q7	X: Ovary Y: Ovule	
Q8	a)	Pollen grains from Z will be frustrated to part X.
	b)	This increases the chance of some seeds germinating and developing into adult plants.
	c)	The young plants growing close to the big parent plant are smaller because they have to compete with the big plant for things they need to grow. The big plant's roots take most of the water from the soil nearby. Its big leaves block the sunlight the little plants need to make their own food. Because the nearby young plants can't get enough sunlight, water, or food, their growth is slowed down, and they stay small. The plants that grow farther away don't have this problem, so they grow bigger.
Q9	a)	Oxygen
	b)	

1  
END

