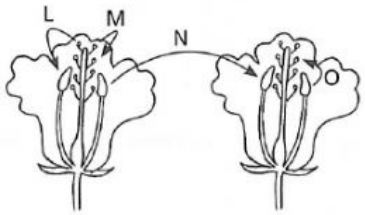
10. Two flowers of the same species are shown below.



Which arrow correctly shows pollination occurring?

(1) L (2) M
(3) N (4) O ( )

11. Which of the following are characteristics of wind-pollinated flowers?

A Have a sweet scent
B Do not contain nectar
C Have small or no petals
D Produce pollen grains that have hooks

(1) A and D only (2) B and C only
(3) A, B and C only (4) B, C and D only ( )

12. The table below shows the characteristics of four flowers.

Characteristic	Flower P	Flower Q	Flower R	Flower S
Type of pollen grains	Have a smooth surface	Have spikes	Have spikes	Have a smooth surface
Colour of petals	Red	Orange	White	Blue
Presence of scent	Yes	Yes	No	No
Presence of nectar	No	Yes	Yes	No

Which flower is most likely to be pollinated by animals?

(1) Flower P (2) Flower Q
(3) Flower R (4) Flower S ( )

13. Arrange the following statements in the correct order to show what happen after pollination occurs.

A A pollen tube grows from the pollen grain.
B A pollen grain lands on the stigma of a flower.
C The pollen tube grows down towards the ovary.
D The pollen tube transfers the male reproductive cell to the egg cell.

(1) A, B, C, D (2) A, B, D, C
(3) B, A, C, D (4) C, B, D, A ( )

14. The diagram below shows a process occurring in a flower.

What is the name of the process?

(1) Dispersal (2) Pollination
(3) Fertilisation (4) Germination ( )

15. What will occur after an egg cell in a flower is fertilised by a male reproductive cell?

(1) The ovary will wither and drop off.
(2) The ovary will develop into a seed.
(3) The petals will wither and drop off.
(4) The ovule will enlarge and develop into a fruit. ( )

16. Which statement about seeds is **incorrect**?

(1) Seeds are produced by sexual reproduction.
(2) Seeds can grow into new plants under any conditions.
(3) The production of seeds involves the fusion of male and female reproductive cells.
(4) Seeds have to be dispersed far away from the parent plants to prevent overcrowding. ( )