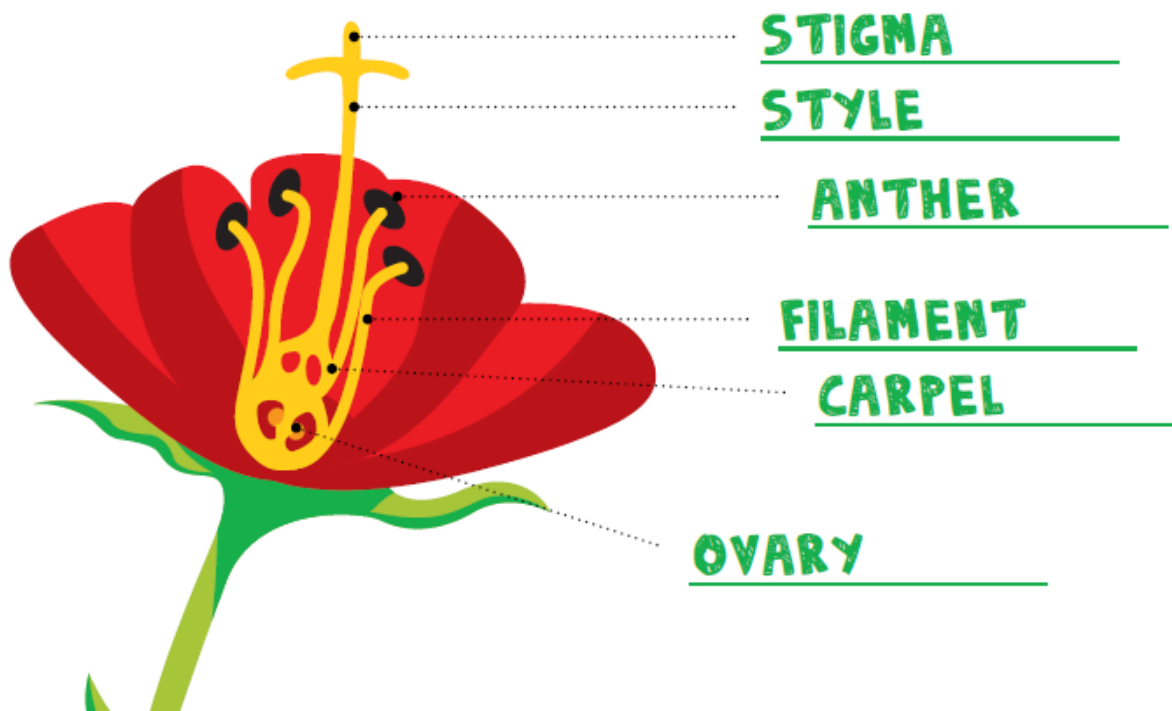


Plant Detective Answers

Look back at your reading comprehension to see how you go on.

1. Why are the petals of a flower often brightly coloured and scented?
(b) to attract insects
2. Complete the diagram below by filling in the names of the male and female parts of the plant.



3. There are three words which describe the male reproductive parts of a flower hidden in this word jumble. Can you find them? They are: **FILAMENT, ANTHER, POLLEN**

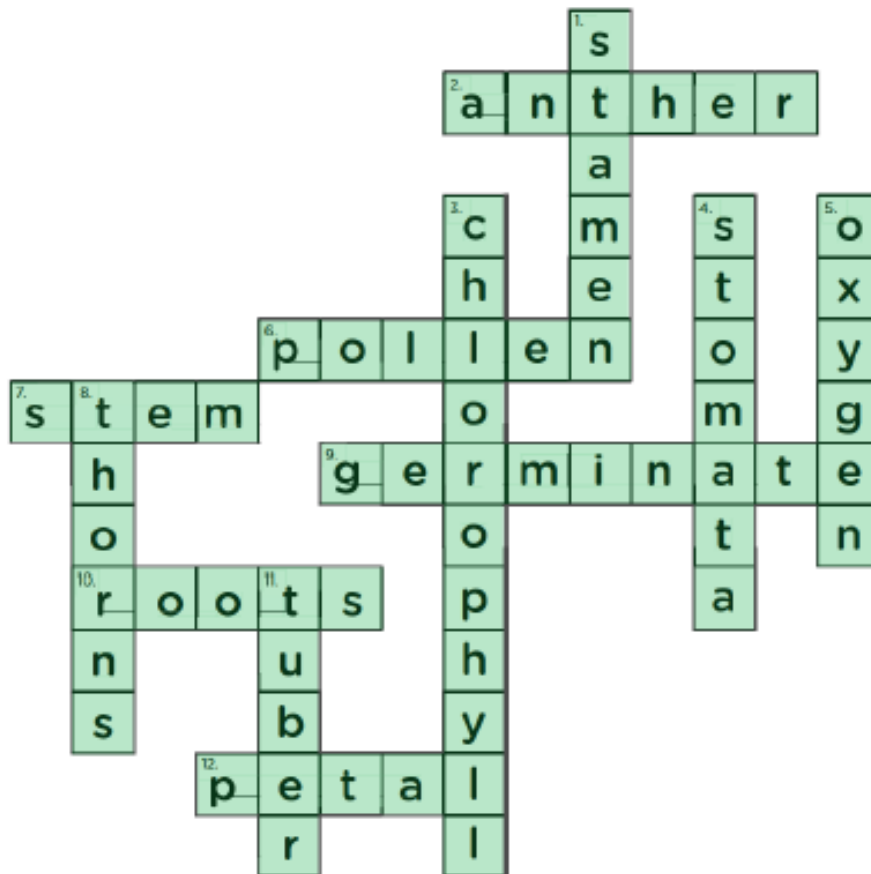


There are four words which describe the female reproductive parts of a flower hidden in this word jumble. Can you find them? They are: **STIGMA, STYLE, OVARY, CARPEL**



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4. What happens when the pollen from one flower reaches the stigma of another flower of the same species? **Pollination**
 5. What happens after fertilisation? **(B) a seed develops**
 6. What two things do seeds need to germinate? **(A) Water (B) Oxygen**
 7. Is the green pigment in the leaf called? **(B) chlorophyll**
 8. Which of these statements is correct?
(A) During photosynthesis leaves take in carbon dioxide and give out oxygen
 9. Some leaves are big, some are small, some are hairy, some can sting, some are poisonous.
Why do you think this is? **Adaptation**
 10. What is carried up the stem from the roots? **Water and nutrients**
 11. Write down two ways that plants can protect themselves against animals?
(A) Thorns (B) Stinging Hairs
 12. Cactus and water lily look very different from one another because they have developed ways to survive in their own special environments. Can you make two lists from the jumble of words and sentences below?

WATER LILY LIST	CACTUS LIST
<p>NO THORNS</p> <p>NO SOIL</p> <p>THIN, LARGE LEAVES</p> <p>WATER</p> <p>HUMID</p> <p>STREAM</p> <p>POND</p> <p>FLOATS</p>	<p>SPIKY</p> <p>POOR SOIL</p> <p>SMALL THORNY LEAVES) DRY</p> <p>HOT</p> <p>STORES WATER IN THE STEM</p> <p>WAXY THICK COAT</p>



Down

1. Male part of the flower
3. Pigment found in leaves
4. Tiny holes in leaves
5. Gas produced by photosynthesis
8. Protects roses
11. Root store of food

Across

2. Where the pollen is
6. Carried by insects
7. Transports water up the plant
9. Seeds can do this if they have water and air
10. Anchor the plant in one place
12. Brightly coloured