

Kenton College

Life Cycle of Flowering Plants

Year 8 Lesson 1: Structure of a Flower

Tuesday 4th September 2012

Title: Structure of a Flower

- **WALT: draw and describe the parts of a flower**

By the end of the lesson:

- I must be able to draw and identify the female and male parts of a flower
- I should be able to identify the female and male parts on a real flower
- I could also make predictions about the functions of the different parts

Starter – Recap on plants

Football match in 2 teams

1. Where do plants absorb nutrients from?
2. Where do plants get carbon dioxide from?
3. If you burn a plant, what is mostly left?
4. What is the photosynthesis equation?
5. What might be an advantage of having big leaves?
6. What might be a disadvantage of having big leaves?
7. In the starch test, what colour does iodine turn from and to?
8. An example of a gamete is: a) a sperm cell, b) a plant cell, or c) an animal cell.
9. The male part of a flower is the: a) stamen; b) stigma or c) segment.
10. In animals the two types of reproductive cells are the in males and the in females.

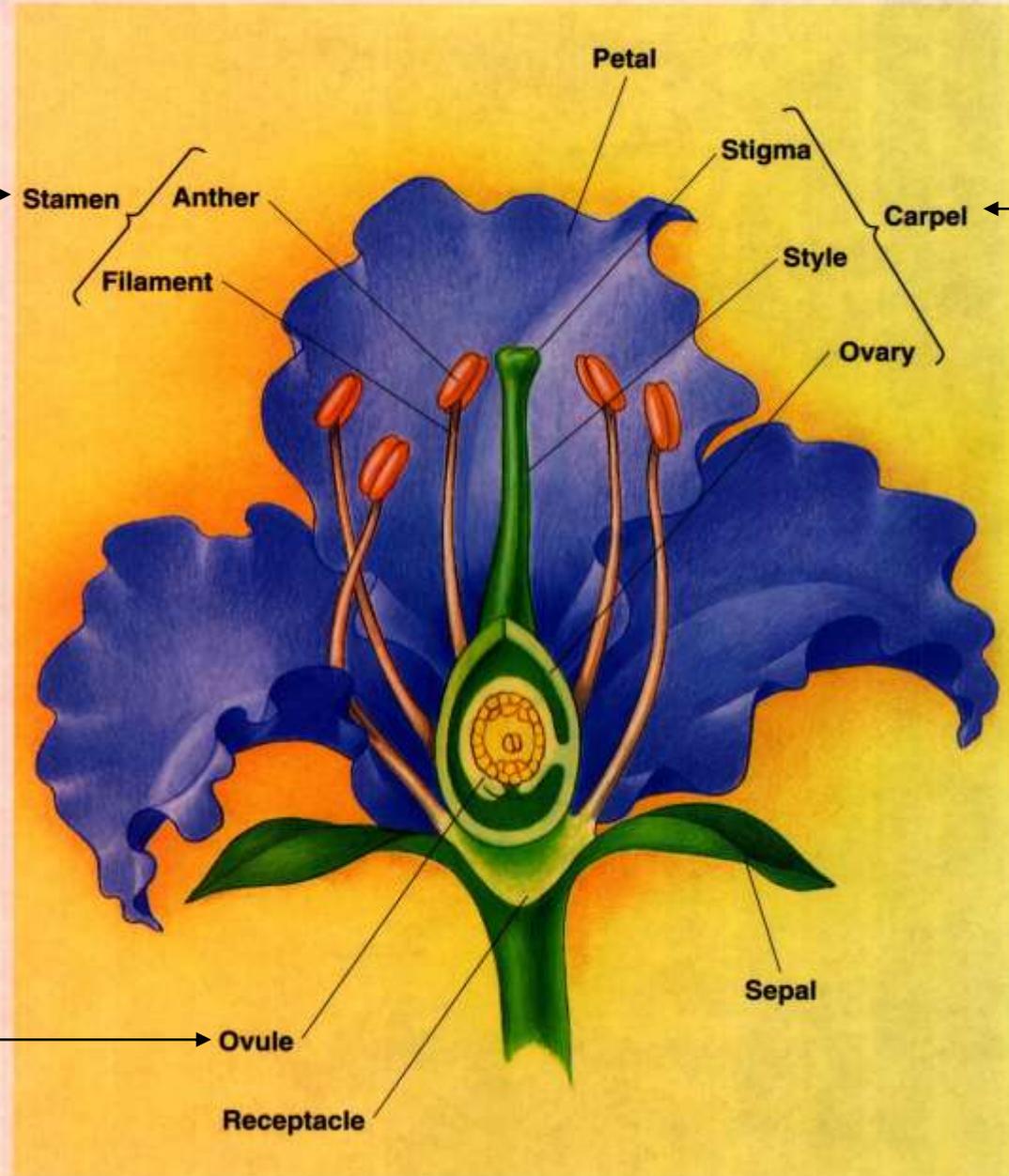
Gametes

- Gametes are the reproductive cells of an organism
- In animals – these are the and the
- Plants also have male and female gametes (reproductive cells); we are going to learn about these.....

Look at your real flower and compare it to the diagram.

1. Copy, colour and label the diagram **on a full page** (leave big gaps under each label so that you can explain the function next time)
2. Stick in your real flower and label the parts
3. In pairs, discuss how you think reproduction might occur in plants and write 3 sentences about what you think in your rough book.

Figure 34.2 An idealized flower



Male reproductive parts
(male gametes stored inside pollen – in the anther)

Female reproductive parts

Female gametes are stored here

Stamen

Anther

Filament

Petal

Stigma

Carpel

Style

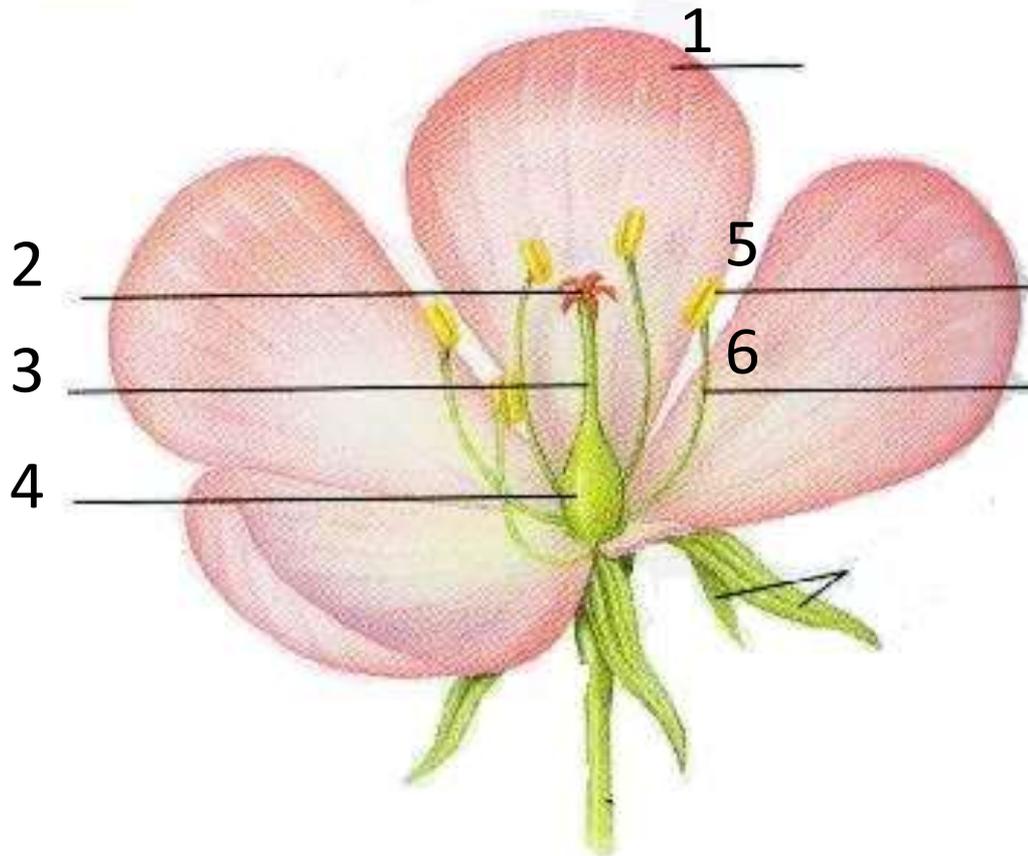
Ovary

Sepal

Ovule

Receptacle

Plenary: close your books.
List 1-6 in your rough books and fill in
the blanks



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