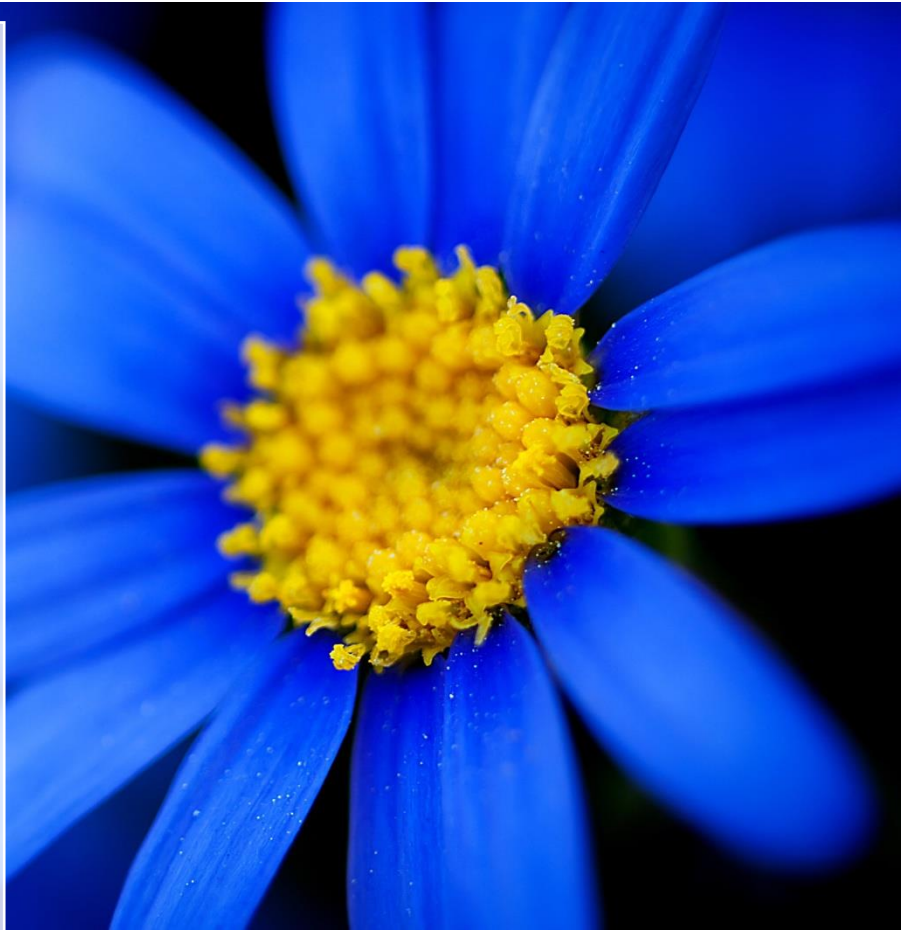


**Natural Science**

Sagrat Cor Palma

**2nd ESO**



# **SEXUAL REPRODUCTION IN PLANTS**

**Name:**

**Group:**

## PARTS OF A FLOWER

### ACTIVITY 1

In pairs or groups of three, read the definitions and suit them with the names of the parts of a plant. Using the following patterns.

**I think it is the .....**

**I think this is the**

**.....**

PISTIL	
CALYX	
COROLLA	
FILAMENT	
ANTHER	
STIGMA	
PEDICEL	
OVARY	
STAMEN	
POLLINATION	

## ACTIVITY 2



- Label each part of the flower with its proper name.
- The flower has male and female parts. Put a letter M besides the Male parts and a letter F besides the Female parts.
- Match the parts of the flower to the function by writing the number in the lines before each sentence.

<b>1. Filament</b>	<b>2. Ovary</b>	<b>3. Anther</b>	<b>4. Stigma</b>
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- \_\_\_\_\_ holds the pollen
- \_\_\_\_\_ where the pollen enters the female part of the flower.
- \_\_\_\_\_ is the stick that holds the anthers in the air.
- \_\_\_\_\_ where the ovules are stored.

## ACTIVITY 3

**Make a set of cards with the name of the plant part on one side and write the definition on the other side. Use them to test yourself and you'll soon be an expert.**

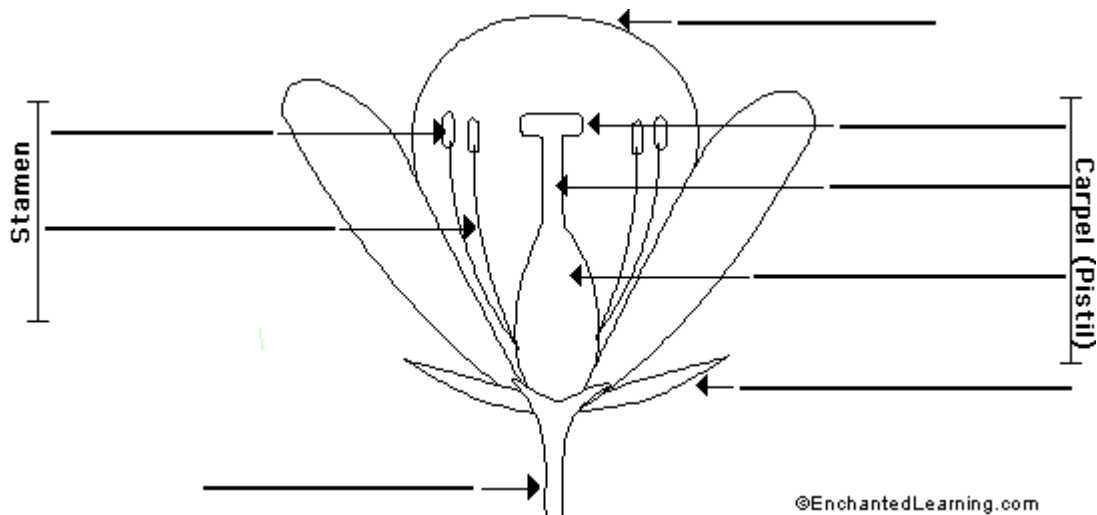
### ACTIVITY 4

Complete the sentences, by joining a beginning with an ending using the key given and after that, label the parts of the flower.

	Beginnings	Endings	
1	The female sex cell in plants is called	The filament and the anther.	
2	The female sex organ in plants is called	The stigma, style and ovary.	
3	The female sex organ in plants is made up from	The pistil.	
4	The male sex cell in plants is called	The stamen.	
5	The male sex organ in plants is called	The pollen.	
6	The male sex organ in plants is made up from	The ovule.	

### ACTIVITY 5

Complete this picture with the correct names.



### ACTIVITY 6

Answer these questions:

1. What is the main difference in appearance between sepals and petals?

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2. What is the function of the sepals?

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3. What is the function of the petals?

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## ACTIVITY 7

Write in each circle insect pollination (I) or wind pollination (W).

The flowers have a strong scent

The flowers are not brightly coloured

The flowers produce nectar

The flowers do not have a scent

The flowers have prominent anthers

The flowers have sticky pollen

The flowers are attractive

## ACTIVITY 8    [www.mbgnet.net/bioplants/pollination.html](http://www.mbgnet.net/bioplants/pollination.html)

**The pollination song:** How do plants pollinate? Listen to this song and decide, in groups, the order of the lines in your verse, write numbers from 1 to 7. Then with the whole group find the correct order of each verse.

\_\_\_ Carry pollen they need.  
\_\_\_ Or the wind that's blowing.  
\_\_\_ What gets the pollen going  
\_\_\_ Different kinds of birds do,  
\_\_\_ Butterflies and bees,  
\_\_\_ That's what makes pollination work.  
\_\_\_ To keep new plants growing?

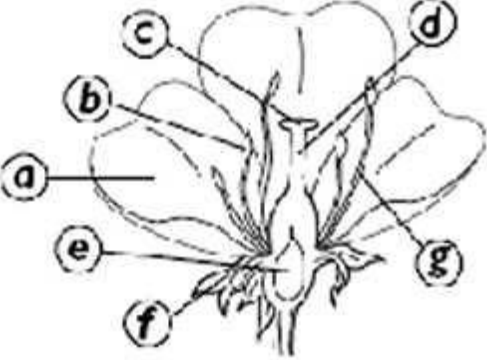

\_\_\_ Have a sweet perfume  
\_\_\_ That birds and insects active  
\_\_\_ And they'll spread the pollen as they  
go.  
\_\_\_ Then chances are good  
\_\_\_ When brightly coloured flowers  
\_\_\_ Find the plants attractive  
\_\_\_ And a sugary nectar

\_\_\_ And pistils, make the flower whole.  
\_\_\_ The sticky pollen.  
\_\_\_ What does a plant need  
\_\_\_ Reproductive powers,  
\_\_\_ Three things give flowers  
\_\_\_ To make a new seed?  
\_\_\_ The slender stamen,

\_\_\_ This plant spreads pollen on the wind.  
\_\_\_ Or brightly colored,  
\_\_\_ With stamens longer  
\_\_\_ and the flowers are smaller  
\_\_\_ If a flower's not scented,  
\_\_\_ The signs are stronger  
\_\_\_ in clusters tighter

## ACTIVITY REVIEW 9

Complete the following cards and review the new knowledge with your partner.

<p>Name the parts of the plant shown here</p> 	
<p>What do plant's anthers do?</p>	
<p>Why do flowers have petals?</p> 	
<p>What is the difference between pollination and fertilization?</p>	

