



# A Closer Look at Flowers, a Natural Wonder

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*Why* are Plants Important?



# Why are Plants Important?

Flowers provide nectar for honey

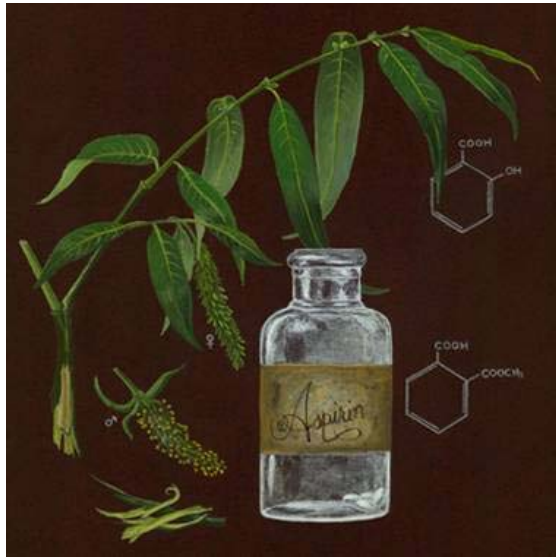


Plants provide humans with food



# Why are Plants Important?

Plants are a source of medicine





# *Why* are Plants Important?

Plants also provide the oxygen that we breathe

Plants are raw materials for:  
fossil fuels, latex, pitch,  
fibers, wood and paper



# Why are Flowers Special?

Flowers are the reproductive organs of many plants

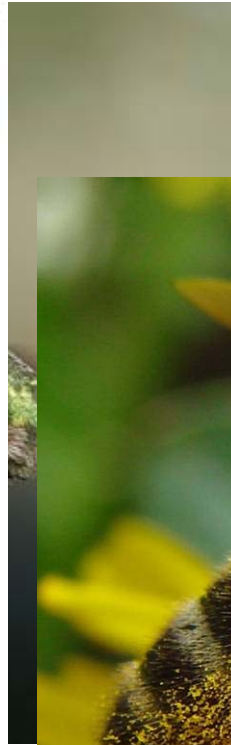


Sessile (or non-mobile)



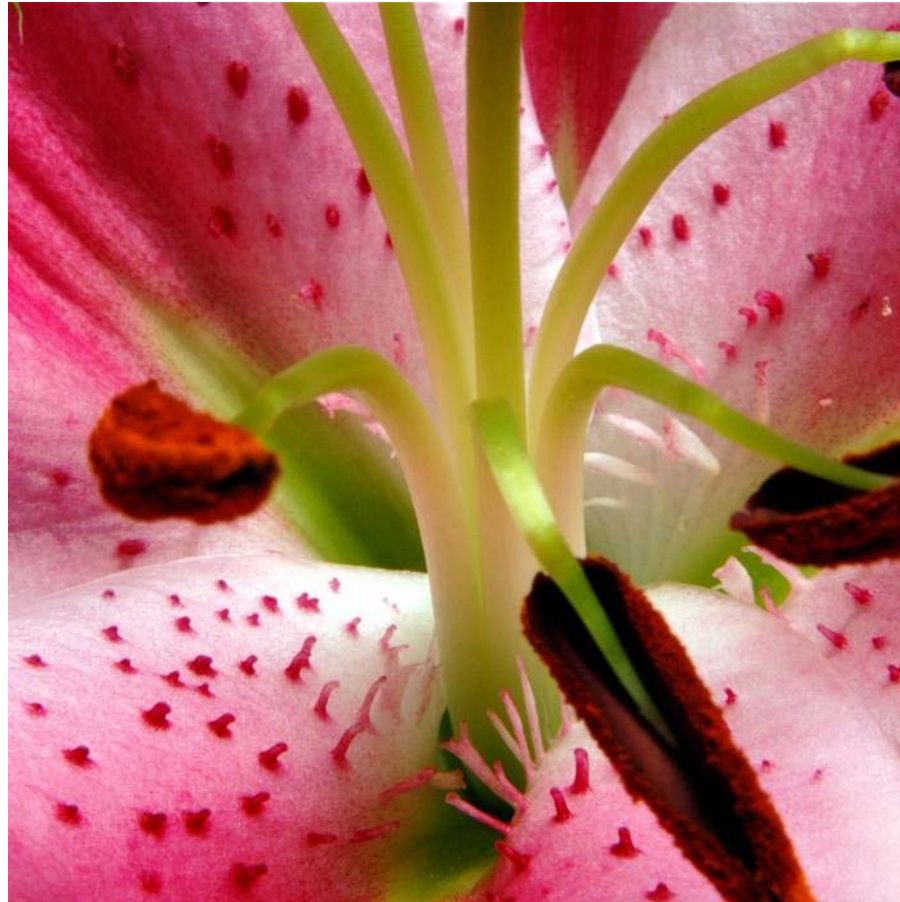


# Why are Flowers Special?



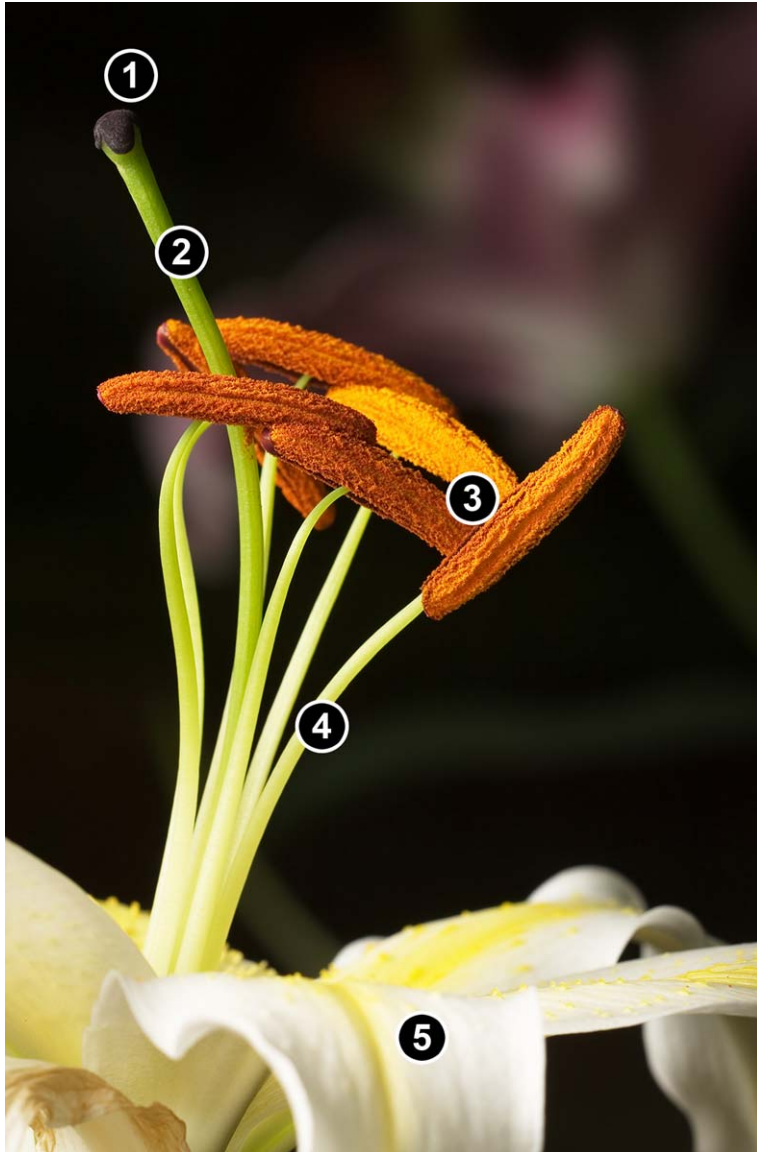


# Why are Flowers Special?





# Why are Flowers Special?



## Female organs (Pistil)

1. Stigma
2. Style



# Why are Flowers Special?

Female

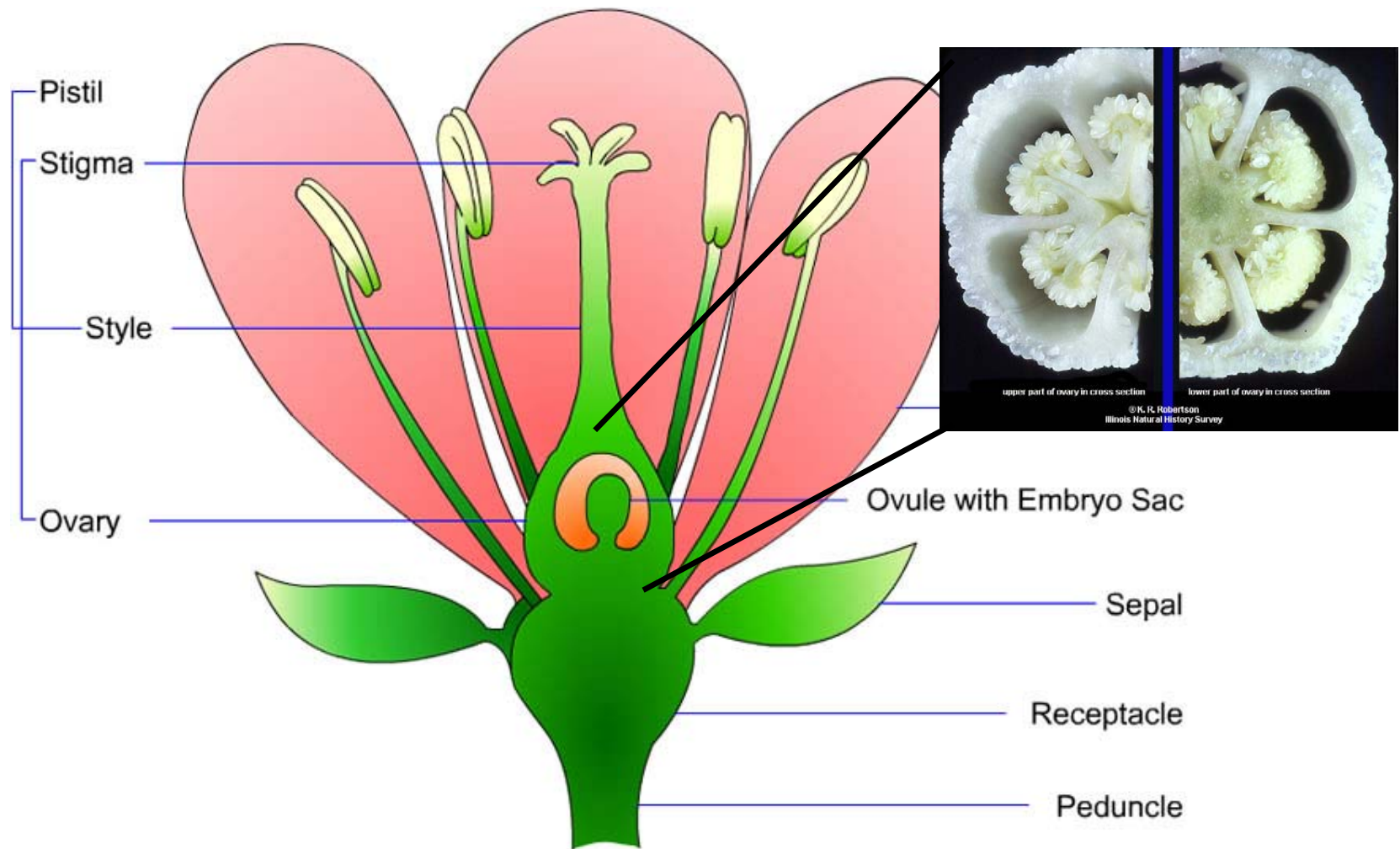


Male





# Review: Parts of a Flower



# Activity: Make a Flower with Candy!

## Instructions

Get into small groups (3-4 people max)

Grab a paper plate and some supplies

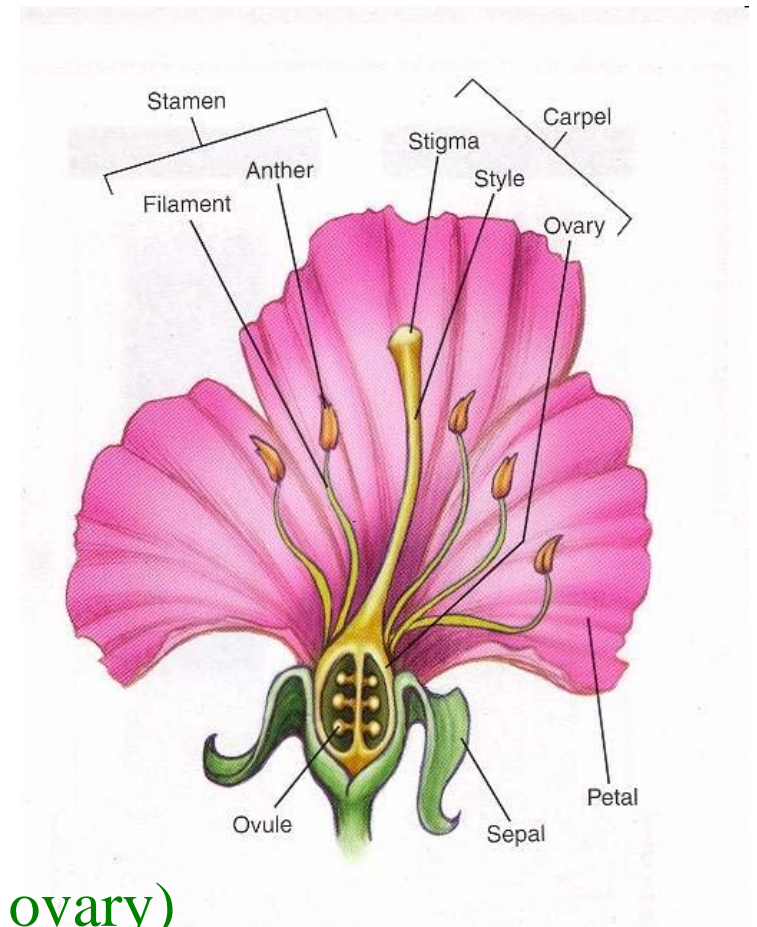
Use fruit roll-ups to cut 3 petals

Use candy and toothpicks to make:

petals

anthers (with stamens and filaments)

1 pistil (with a sticky stigma, style and ovary)





# Activity: Flower Dissection

## Instructions

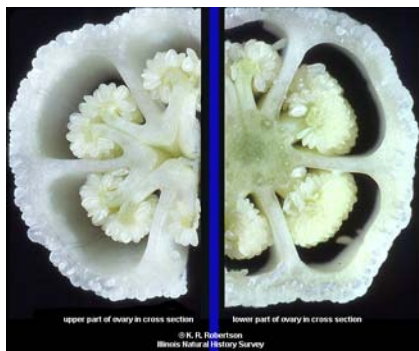
Get into small groups (3-4 people max)

Choose a lily to dissect

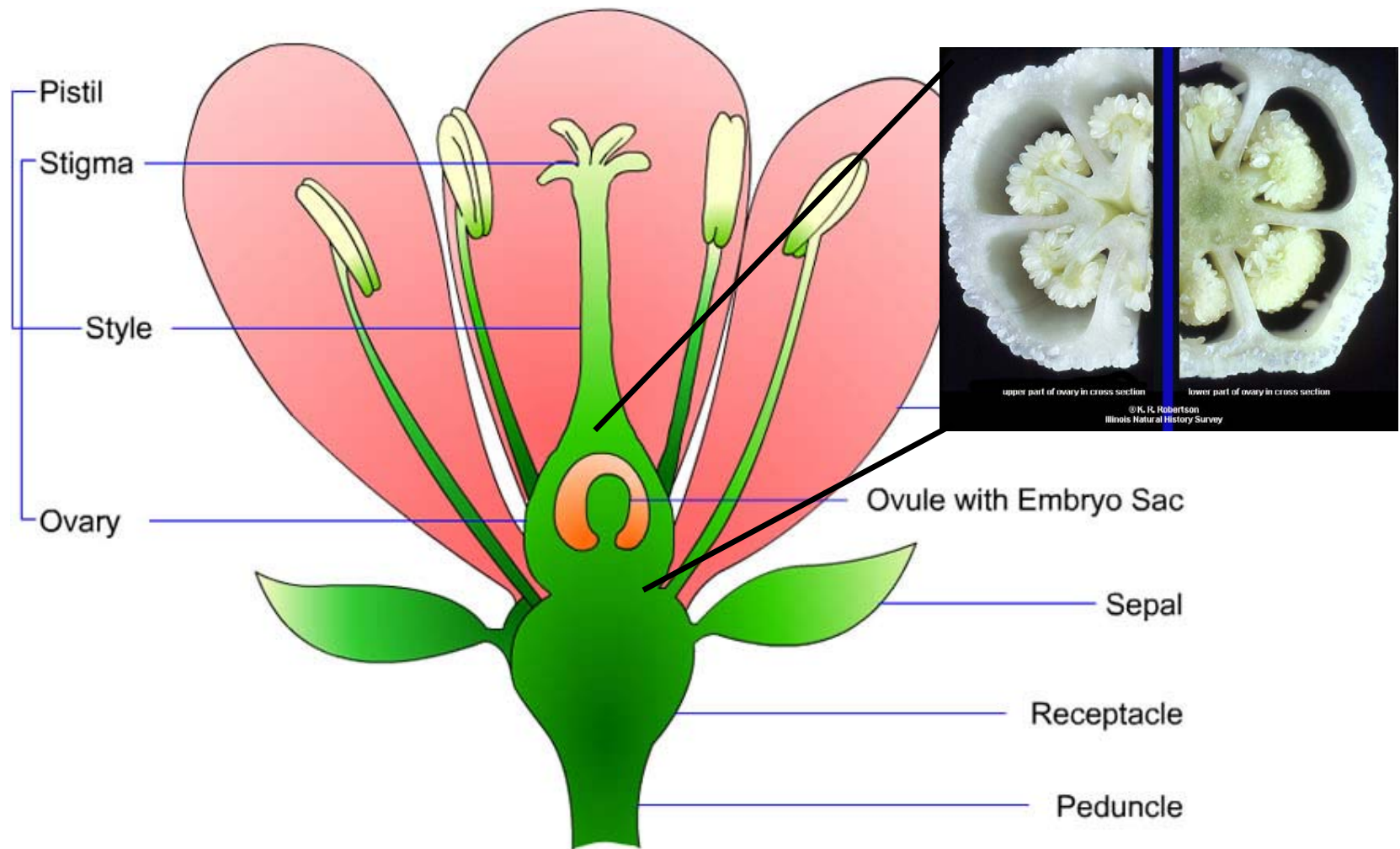
Set-up a microscope and laptop (ask for help, if you need to!)

Examine the parts of the flower, close up

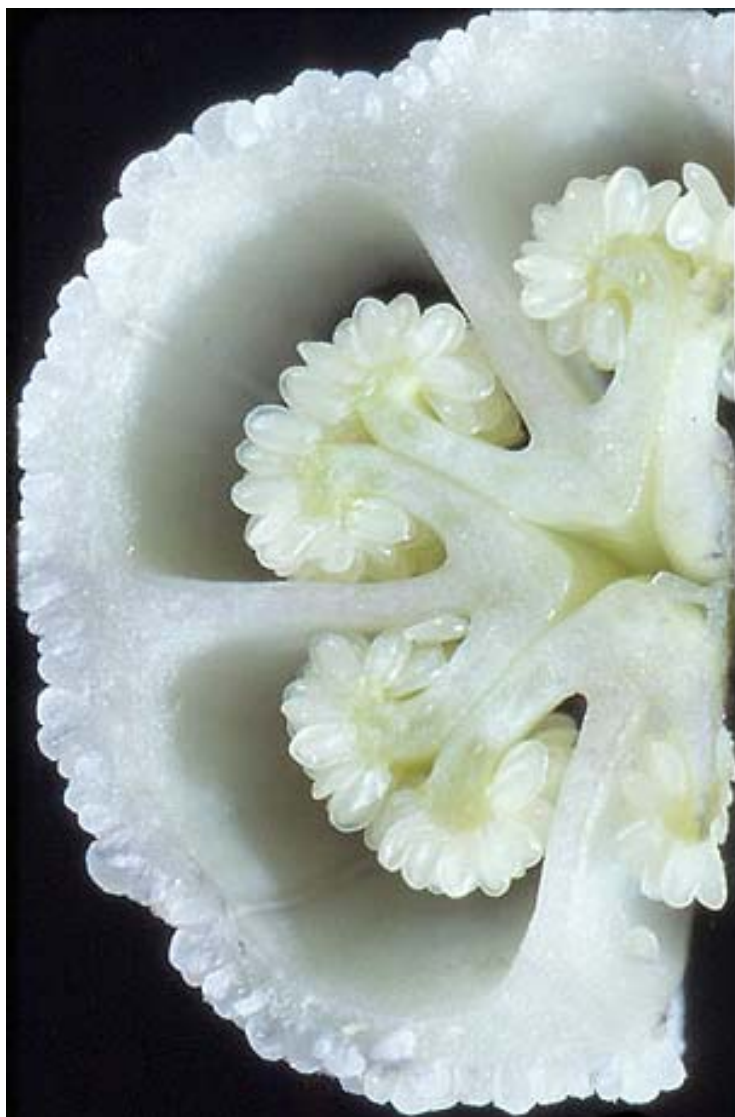
Dissect the base of the pistil with your fingernail to reveal the ovary



# Review: Parts of a Flower







upper part of ovary in cross section



lower part of ovary in cross section

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