

Science 9 – Home Learning Week 5

Outcomes: 1) identify questions to investigate about sexual reproduction in plants

2) use tools and apparatus safely to investigate the structure of flowers

This week we are going to move on to reproduction in flowering plants. We will look at the parts that make up flowering plants, pollination, as well as seed and fruit formation.

Parts of Flowering Plants

Many plants are *hermaphrodites*, meaning that they have both male and female sex organs.

Click on the link, look for and describe the following parts: *sepals, petals, stamens, carpel, ovary*. Then look at the diagram and take note of where these parts are, along with: *stigma, style, ovules, pollen, filament*.

<https://letstalkscience.ca/educational-resources/backgrounders/plant-reproduction>

Pollination

Pollination is the process by which the pollen is moved from the anther to the female egg cells and fertilizes those cells.

Check out the following link and answer the questions:

<http://www.mbgnet.net/bioplants/pollination.html?ref=organicgglunkwn&prid=pfseogglunkwn>

- What are the male parts called and what do they do?
- What are the female parts called and what do they do?
- What is the difference between self-pollination and cross-pollination?
- How do plants get pollinated?

Seeds, Cones and Fruit

Click on the first link again and scroll down to the different sections on seeds, cones and fruit.

Take notes on the following:

- What are they? How are they created?
- What are the differences?
- Any other important features?

If you have any questions, please email me! Once you have completed the assignment, send it in to me and I will provide feedback 😊

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Have a great week!

Ms. Doucet