

## Science 9

Specific Curriculum Outcomes:

- distinguish between sexual and asexual reproduction in representative organisms
- compare sexual and asexual reproduction in terms of their advantages and disadvantages

Before we get into Reproduction, let's review the Cell Theory:

- 1. All living things are made up of one or more cells.
- 2. The cell is the functional unit of life
- 3. All cells come from pre-existing cells.

All organisms reproduce either asexually or sexually (some organisms can reproduce both ways).

Click on the following link to note the differences between asexual and sexual reproduction. There is also an activity that challenges whether you understand the difference. Try it out and feel free to send me an email with how you did! 😊 My email will be written below.

<https://learn.genetics.utah.edu/content/basics/reproduction/>

Next up let's look at five different types of asexual reproduction. The 5 types are all listed on this website:

<https://sciencing.com/five-types-asexual-reproduction-8204895.html>

Check out this video and answer the following questions:

- 1) How do spider plants reproduce?
- 2) What is Binary Fission?
- 3) What is Budding?
- 4) What are some of the differences between asexual and sexual reproduction?
- 5) What are some advantages and disadvantages of asexual reproduction? Sexual reproduction? Think about genetics, environments, and which would be less time consuming.

Note: we will learn more about sexual reproduction and meiosis later on 😊

<https://www.youtube.com/watch?v=fcGDUcGjcyk>

Please feel free to email me if you have any questions, comments, or just want to chat!

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I miss you all! Miss Doucet