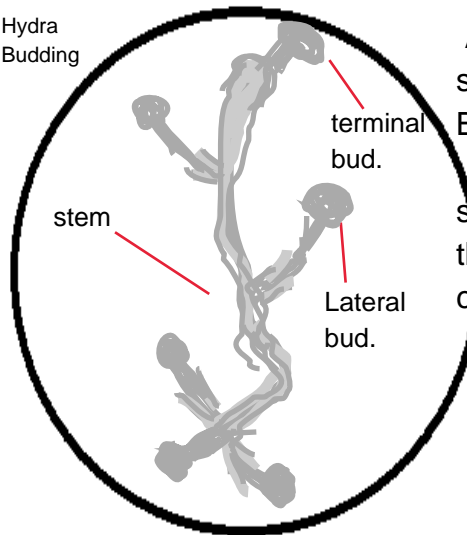


A picture says 1000 words

Budding

Hydra Budding

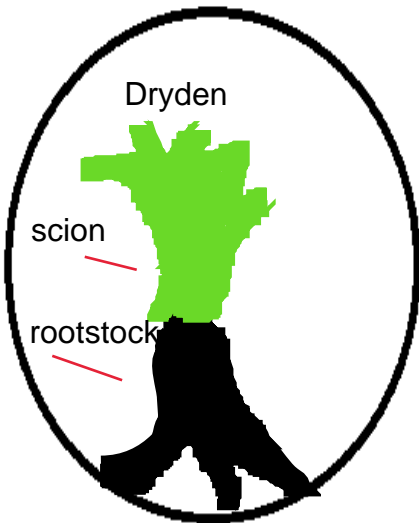


Budding is a form of A sexual reproduction.

A bud is an undeveloped plant stem that is protected by scales.

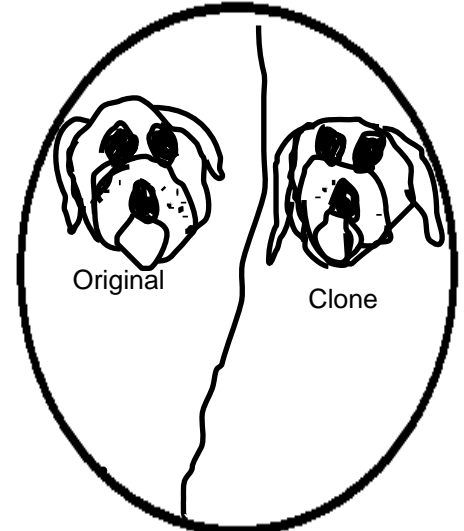
Budding develops when immature plant tissue inside grows into mature structures like leaves or flowers. The buds that are found at the tip of the stem are called terminal buds and buds that are found at the side of the stem are called lateral buds.

Grafting

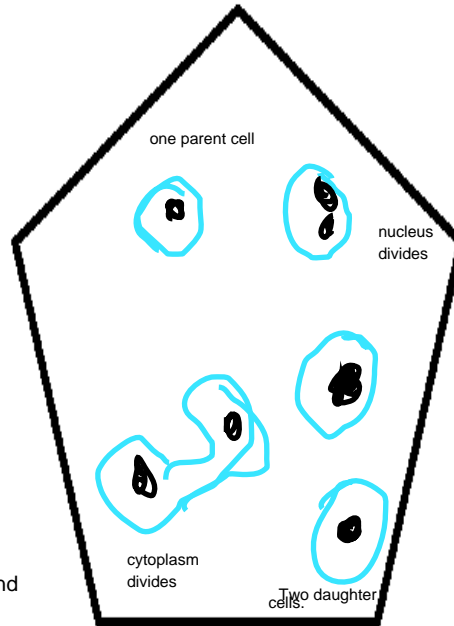


Grafting is a method of joining two plants together to create a single composite plant. The bottom part that supplies the roots is called the rootstock. The top part that supplies the plant with leaves, flowers, and fruits is called the scion.

Cloning

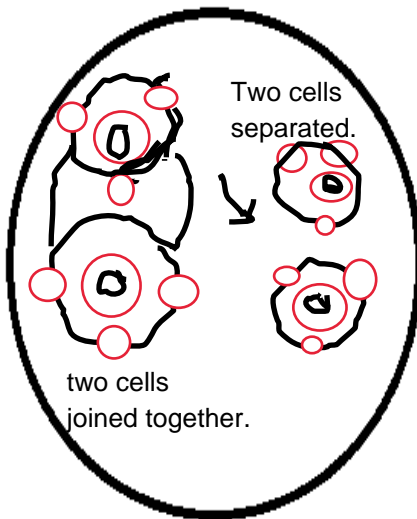


It is an identical genetic copy of a human animal or any living things. In mammals the identical twins are created when a fertilized egg splits giving them almost identical DNA.



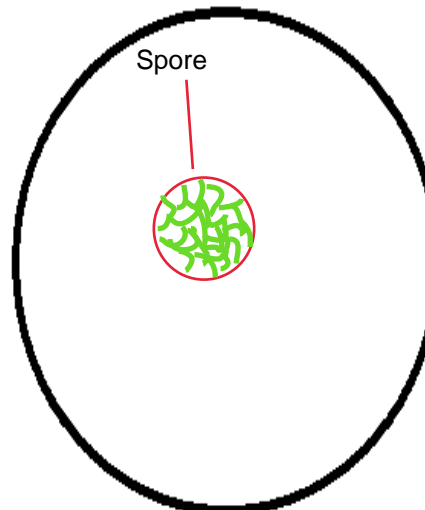
Asexual Reproduction

Is the reproduction or generation of new individuals without the fusion of eggs and sperm. In Asexual reproduction the offspring is identical to the parent.



Fission

Two cells splitting and before they split equally they have two of everything which is nucleus and organelles.



Spores

Spores are hard casings which protects the genetic material it contains of those bacteria and other microorganisms that are able to form the structure.

Asexual Reproduction

What do you KNOW?

- Asexual Reproduction is the formation of new cells from a single cell.

What do you Wonder?

- When the single cell gets reproduced in to two cells, I wonder how do the type of cells from the reproduction get to be a boy or a girl?

Science in Context Experts Assignment

Form: Grafting

1. Find real examples of your form of asexual reproduction
2. Watch a video (or two)
3. Look up images and draw a picture on your sheet
 - a. add labels/words/arrows/colour

4. Describe the process

Plant Grafting is the process of two plants joining together to form one composite plant. The plant that supplies the roots is called the rootstock. The other plant that supplies the top part of the plant, with leaves, flowers, and fruits; which is called a scion.

5. Define asexual reproduction in less than 10 words

Asexual is reproduction of new cells from single parents.

6. Be prepared to share what you now know with your group.

7. Find out something about what makes you wonder.

Potatoes and tomatoes can be grafted together because they are in the same family. The family the potatoes and the tomatoes are in is called the solanaceae. Another thing I found out about reproduction is that you can have more than one scion on the rootstock of a plant in grafting.

8. Search these key words: (or help a friend when finished)

Parthenogenesis

Mitosis

Vegetative Reproduction

Sexual Reproduction

Parthenogenesis: Is a type of Asexual reproduction when the offspring which is called progeny arises from unfertilized eggs.

Vegetative Reproduction: Is the formation of reproduction involving buds from the vegetative part of the plant which is the stem. The reproduction doesn't just form a branch. It instead reproduces into another complete self supporting plant beside the previous plant.

Mitosis: Is dividing the cells nucleus and it's cells chromosomes during cell division. The cells get divided into two daughter cells that both inherit the same amount/number of chromosomes.

Sexual Reproduction: is reproduction that is caused by two parents involving the specialized sex cells which are eggs and sperm to produce a genetically unique offspring.