

Welcome back to Miss McKinney's Zoom Classroom

We will wait for the majority to arrive before
taking the register.

Please ensure your mic is turned off, unless you
are replying to a question.

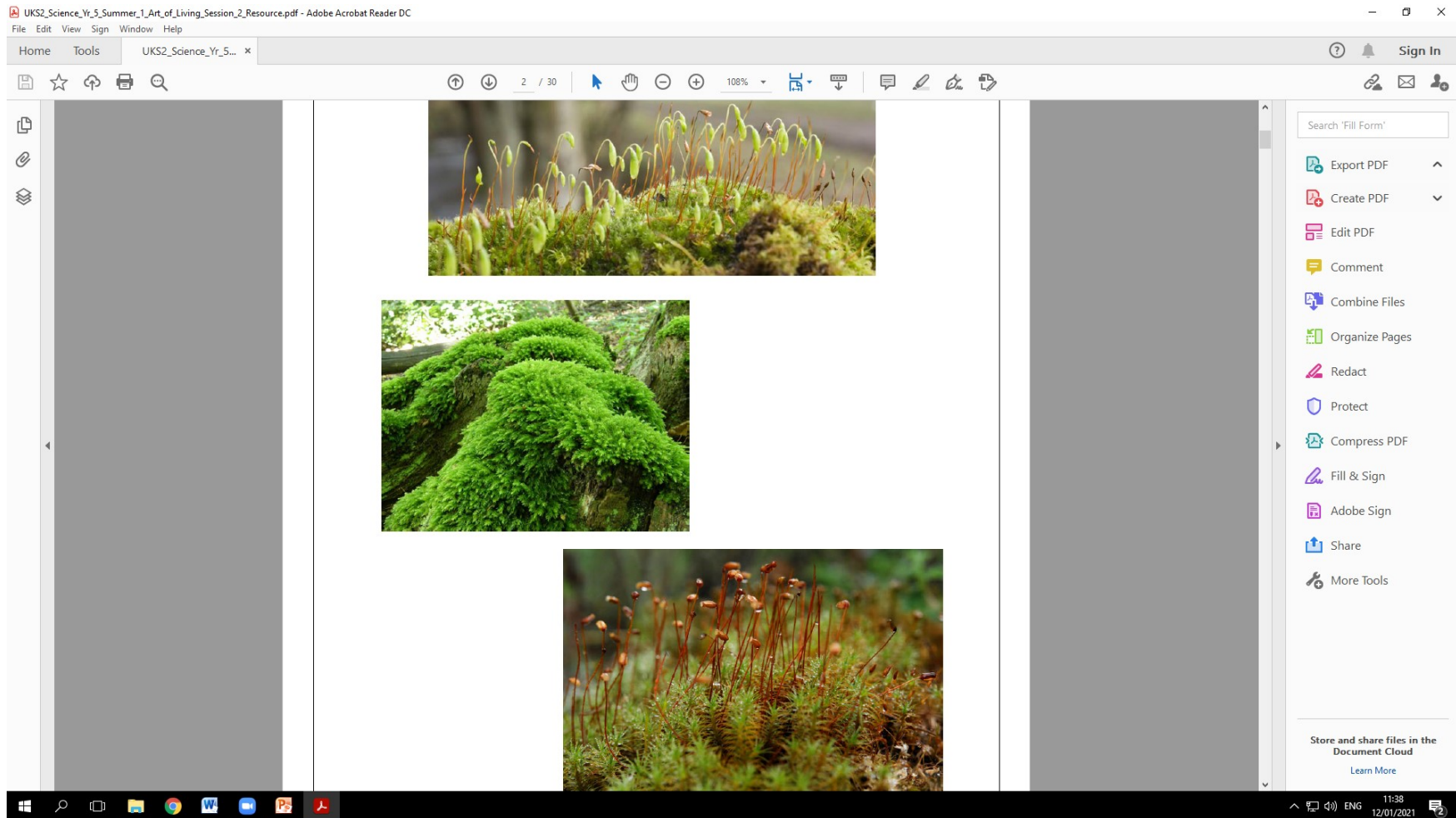
Thank you 😊



Learning Objectives

- Asexual reproduction only involves one parent plant, and does not need sex cells
- New plants made through asexual reproduction are all exactly the same

What do you think these are and how do you think they reproduce?



Asexual reproduction

- **In this lesson, we will learn about asexual reproduction in plants**
- **For this, plants do not need sex organs or another plant to create offspring**
- **In asexual reproduction, the single parent plant produces identical offspring**

- **Offspring are created from just one plant and there is no combination of male and female gametes**
- **Most plants that reproduce asexually will also reproduce sexually**
- [StudyJams](#)

Asexual reproduction

- Strawberries reproduce asexually
- They send out runners over the ground
- These runners sprout roots at various intervals and new plants grow
- Once the plants are established, the runners die and rot away

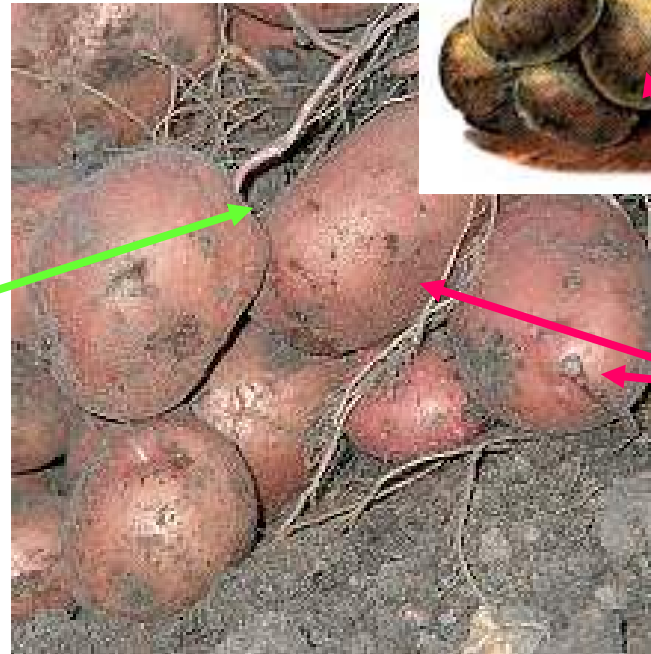
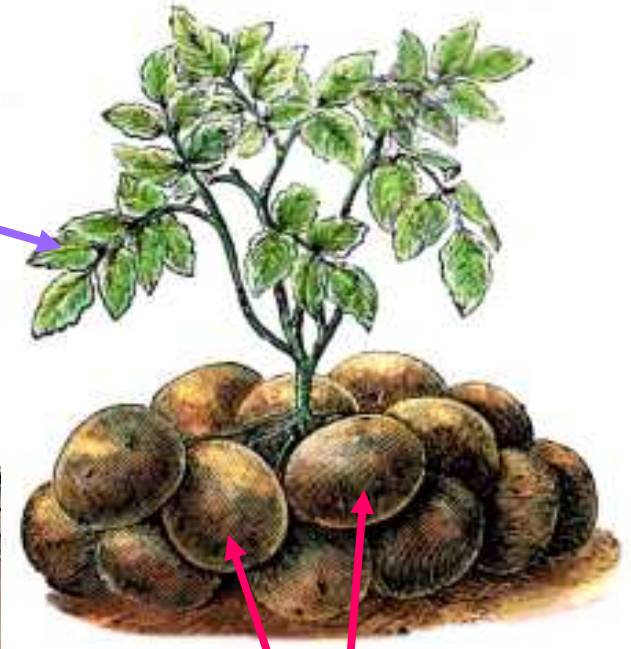


Asexual reproduction



Stems growing underground

Parent plant



Young tubers

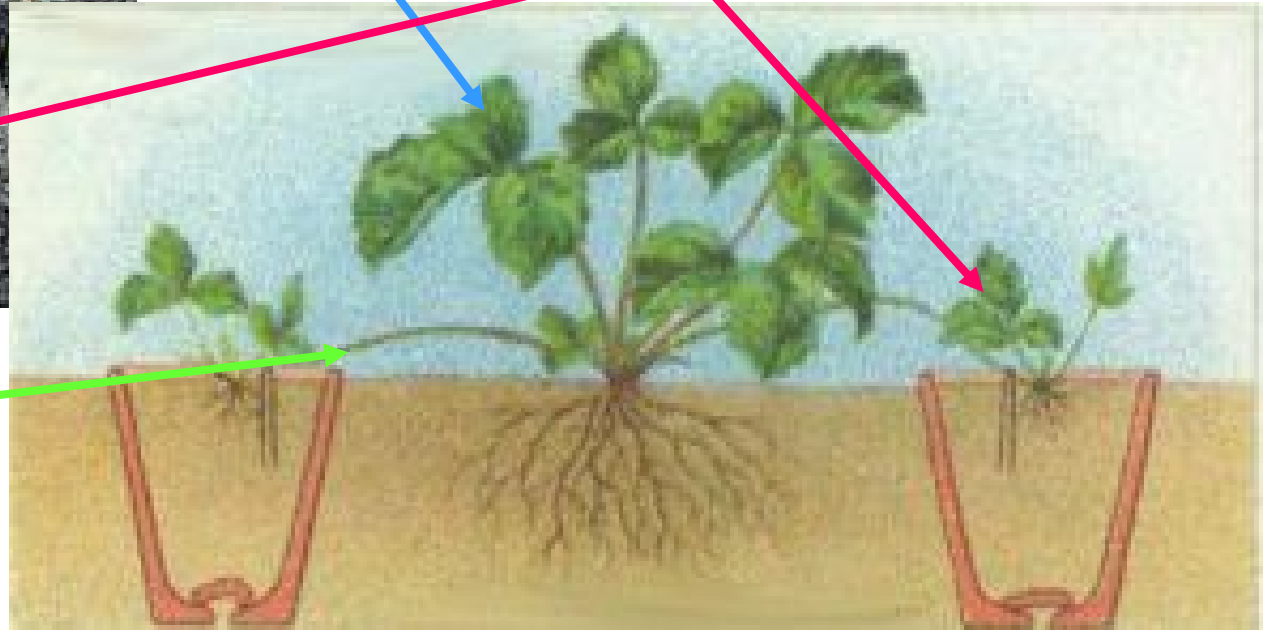
Asexual reproduction



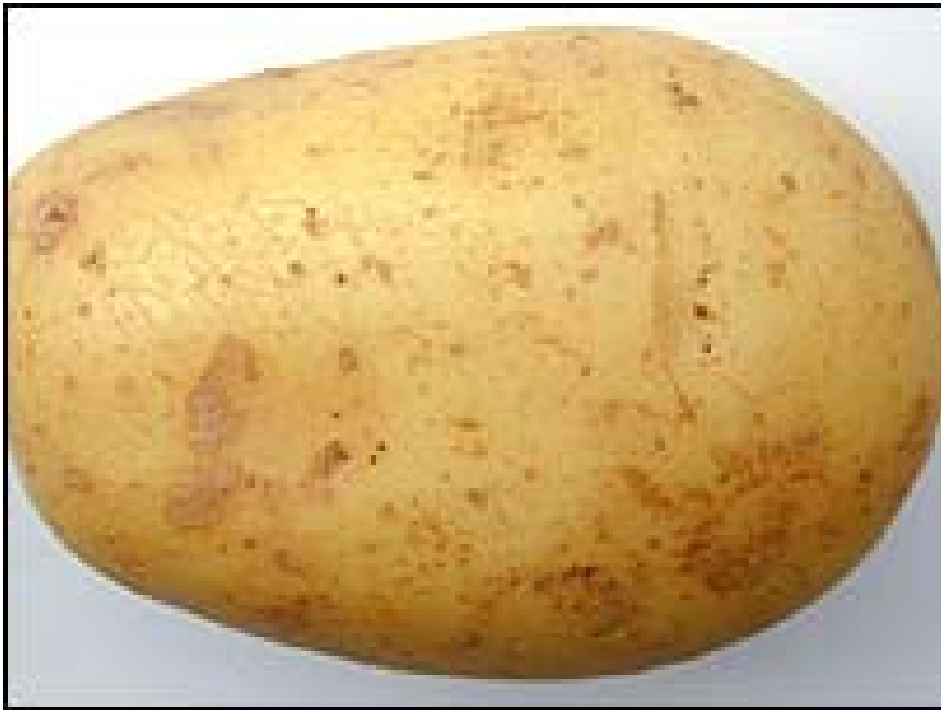
Parent plant

New offspring

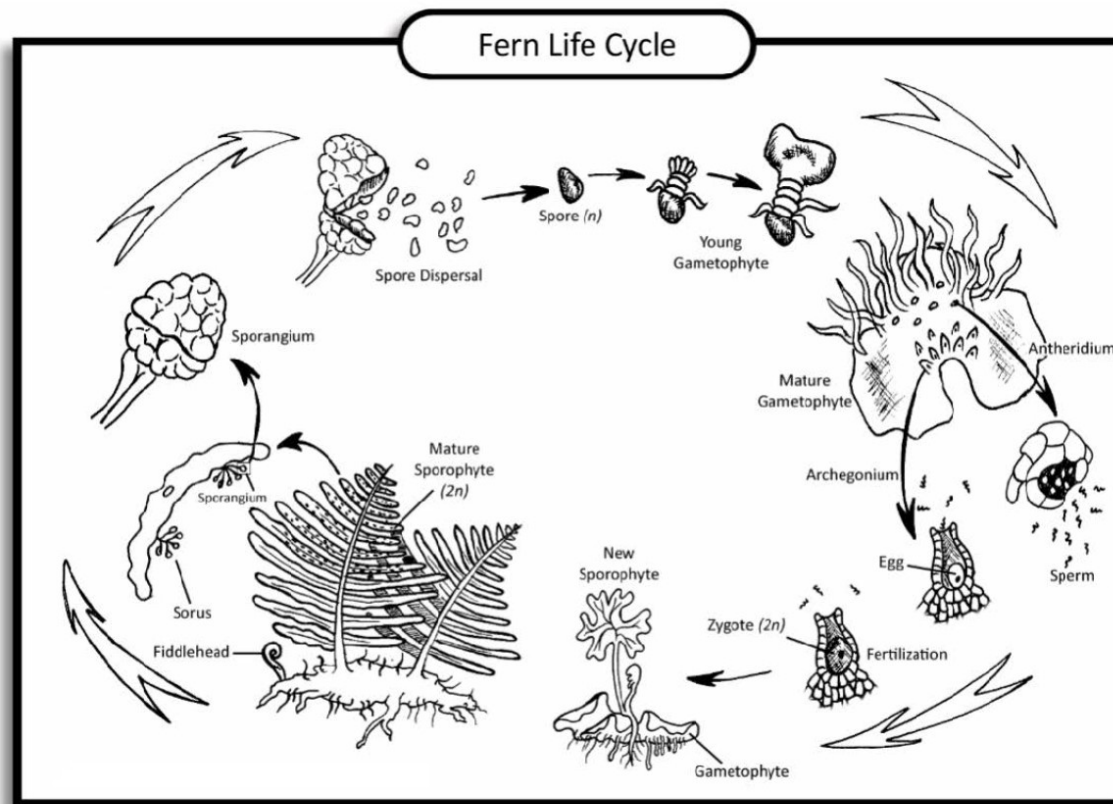
Runners



Asexual reproduction



- Potatoes use tubers to reproduce
- They send out underground stems that swell out at the end into tubers
- These are young potatoes and contain stores of food (starch)
- Each tuber can then grow into an entire new plant



Non-flowering plant life cycles

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**How do flowering plants ensure they
have a successful pollination?**

It is possible to force plants to reproduce asexually through vegetative propagation - this is cloning of the parent plant by using different parts of it, other than just the seeds.

Which other plant parts are used in this process?

Asexual reproduction

- The most common way for gardeners to create new plants asexually is by **taking cuttings** and **growing them**
- These cuttings will develop their own **roots** and grow into an **identical new plant**



Asexual reproduction

- Gardeners use asexual reproduction to create new plants that are identical to the parent plants
- They cannot create new varieties this way
- But they can produce required plants much quicker than growing them from seeds produced in sexual reproduction

Learning Objectives

- Asexual reproduction only involves one parent plant, and does not need sex cells
- New plants made through asexual reproduction are all exactly the same

**Do you know where to find your maths
lesson @ 11am?**

**Please send your science to me on Class
DOJO – there will be lots of points up
for grabs today!**

La GOODBYE **e for**
— FOR NOW