

Year 5: Living Things & Their Habitats Knowledge Mat

Subject Specific Vocabulary

reproduction

The production of offspring by a sexual or asexual process.

sexual

The production of new living organisms by combining the male and female gametes (reproductive cells).

asexual

The production of new living organisms without combining the male and female gametes (reproductive cells).

gestation

The process of developing inside the womb before birth.

regeneration

The formation of new animal or plant cells.

mating

The act of animals coming together to breed.

stamen

The male fertilising organ of a flower (usually containing the pollen-containing anther and a filament).

pistil

The female organs of a flower (containing the stigma, the style and the ovary).

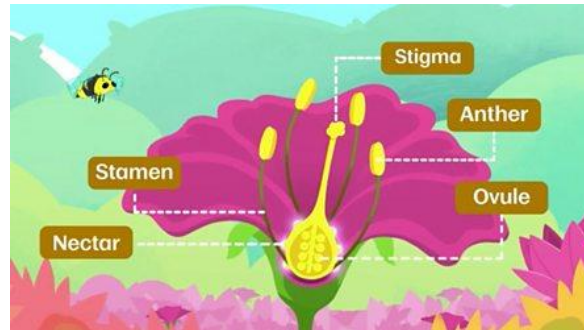
ovary

The base of the carpel of a flower containing the ovules.

ovule

The part of the ovary of seed plants that contains the female cell.

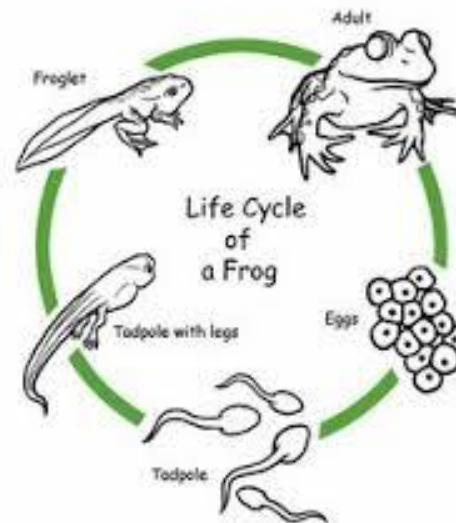
Plant Reproduction



Important knowledge

- ☐ I know that animals can only produce offspring via sexual reproduction.
- ☐ I know the life cycle of an insect.
- ☐ I know the life cycle of a mammal.
- ☐ I know the life cycle of a bird.
- ☐ I know the life cycle of an amphibian.
- ☐ I know the male and female parts of a flower.
- ☐ I know how plants reproduce sexually.
- ☐ I know the difference between sexual and asexual reproduction in plants.
- ☐ I know the role that pollination plays in sexual reproduction in plants.

Lifecycle of a Frog



- ☐ I can research to answer the question 'What is the lifecycle of an insect/' and present my findings
- ☐ I can research to answer the question 'How do mammals develop as they get older?' and present my findings
- ☐ I can research to answer the question 'How do bird eggs change over time?' and present my findings
- ☐ I can research to answer the question 'How do smooth newts and frogs develop over time?' and present my findings
- ☐ I can observe the parts of a flower and record using a labelled diagram
- ☐ I can explain how plants can reproduce without pollination occurring using scientific knowledge and understanding
- ☐ I know the ways in which nutrients and water are transported within animals, including humans.