



Year 6 Science - Evolution (Biology)

Knowledge and skills
Empower
You to
Succeed

Cronton CE Primary School

Keys to
Success

Autumn Term

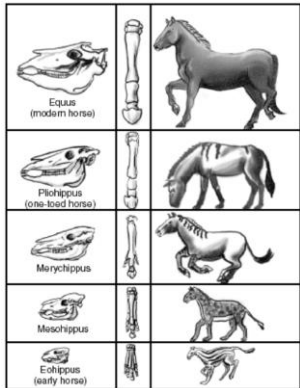


Vocabulary

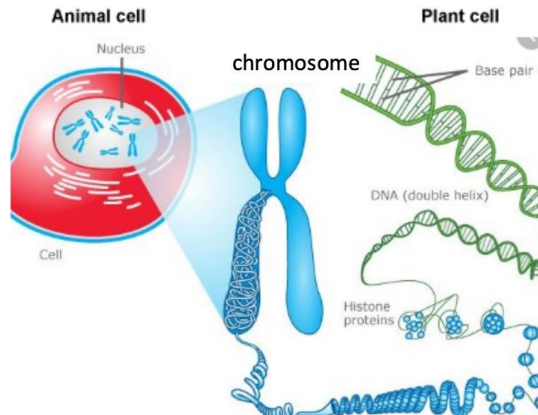
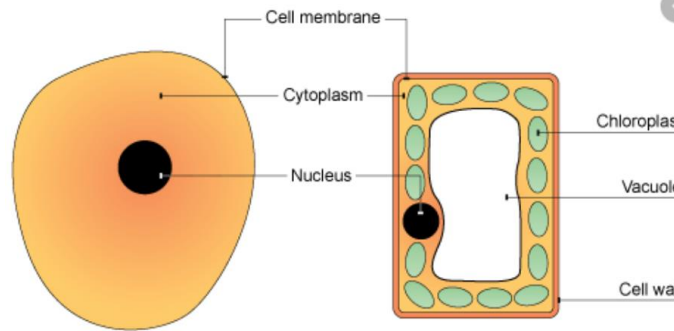


Knowledge

- Evolution is the theory that all animals and plants existing today developed from earlier forms.
- Living things evolve through natural selection and adapt to their environment.
- Fossils are important evidence for this.
- Palaeontologists are scientists who study fossils.



- DNA determines the characteristics of living things.
- DNA can mutate (change) to inherit a new characteristic. E.g. a cactus has a large stem to store water as it helps it survive in the desert.
- Charles Darwin came up with the idea of natural selection and wrote a book called 'The Origin of Species'.



It is DNA found in the cell nucleus that determines the characteristics of living things. DNA is passed from parents to offspring. You are not identical to your parents as you inherit a combination of characteristics from both.

Natural selection - living things that are better suited to an environment to survive.

Fossil - stone remains or impressions of a prehistoric animal/plant.

Offspring - plants and animals reproduce to produce young/children/offspring.

Inherit - gain a characteristic from a parent/ancestor.

Mutation - when DNA is changed in such a way that the genetic message it carries is changed in offspring.

Species - group of living organisms.

Adaptation - inherited characteristic in organisms that makes them better suited to survive in an environment.

Variation - no two members of a species are identical. Variation is inherited from both parents.