Human Biological Sciences 3A/3B

Extended Response

Human Evolution

Around 200,000 years ago human ancestors began to evolve a set of characteristics which are distinctly different to modern apes and their ancient common ancestors. These new characteristics must have had a selective advantage in order to be beneficial to the animals in their habitats and allow them to survive and reproduce.

For each of the following features,

1. Describe the evolutionary change from ancestral apes to modern humans
2. Outline the reason for the evolutionary change including the selective advantage provided.

Brain size

Carrying angle

Reproduction and development

Prognathism

Teeth

Precision grip

Foramen magnum

Leg arm ratio