



ANIMALS including Humans KNOWLEDGE ORGANISER



Y5

What you should already know...



- Food chains are used to show how living things get their food.
- Food chains are made up of producers (who produce their own food) and consumers (animals who eat producers and other consumers).
- Humans have incisor, canine, pre-molar and molar teeth, each with different jobs. Animals have different make-ups of teeth depending on their food.
- The digestive system has several functions, including ingestion, absorption and excretion. It is made up of different parts, e.g. the stomach.

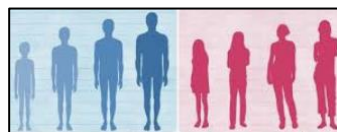
Ageing to Old Age



- Muscle mass decreases and muscles lose strength.
- Wrinkles develop on the skin, and it loses its elasticity.
- Hair begins to turn grey/ white. Many people begin to lose the hair on their heads (mainly men).
- Fertility decreases (more quickly for women).
- People begin to shrink in height as bones and cartilage become worn down.
- Organs begin to lose their effectiveness, and the senses (e.g. sight, hearing, etc.) become weaker.

Puberty

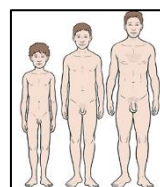
What is puberty?



-Puberty is when a child's body begins to grow, change and develop as they become an adult.

-In humans, puberty normally begins around age 11-12, however it can take place anytime from age 8-14. Puberty happens when the pituitary glands begin to release hormones.

Males



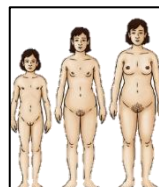
-Boys grow taller. They develop more muscle mass, and their chest and shoulders broaden.

-Boys' voices become deeper. Their skin becomes oilier, meaning they may get spots.

-Hair begins to grow on their faces and bodies, including armpit and pubic hair.

-Penis and testicles grow larger. The testicles begin to make millions of sperm.

Females








-Girls grow taller. They develop breasts, and their hip bones widen. The body becomes curvier.

-Boys' voices become deeper. Their skin becomes oilier, meaning they may get spots.

-Hair begins to grow on their bodies, including armpit and pubic hair.

-Menstruation begins. Girls begin to have periods, and their uterus (womb) begins to grow.

Growth and Development of Animals

Humans	House Mice	African Elephants	Saltwater Crocodiles	Blue Whales
Gestation Period: 9 months	Gestation Period: 20 days	Gestation Period: 22 months	Gestation Period: 2-3 months	Gestation Period: 10-12 months
Sexual Maturity: 11-17 years	Sexual Maturity: 4-6 weeks	Sexual Maturity: 10-12 years	Sexual Maturity: 10-12 years	Sexual Maturity: 10 years
Life Expectancy: 80 years	Life Expectancy: 1 year	Life Expectancy: 60 years	Life Expectancy: 70 years	Life Expectancy: 90 years
				

Human Ageing Timeline

Baby
0-1 years



Child
2-11 years



Adolescent
12-17 years



Early Adulthood
18-35 years



Mid-Adulthood
36-59 years



Late Adulthood
60+ years

