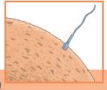


RED SQUIRRELS SCIENCE – ANIMALS INCLUDING HUMANS

Key Knowledge

fertilisation

The male and female sex cells fuse together.



prenatal

The cells develop and grow into a foetus inside the female uterus. After about nine months, the baby is born.



infancy

Infants undergo rapid growth and development. They learn to walk and talk.

childhood

Children learn new skills and become more independent.

adolescence

The body starts to change over a few years. The changes occur to enable reproduction during adulthood. Adolescents become much more independent.

middle adulthood

The ability to reproduce decreases. There may be hair loss or hair may turn grey.

late adulthood

Leading a healthy lifestyle can help to slow down the decline in fitness and health that occurs during this stage.

early adulthood

The human body is at its peak of fitness and strength.

Females

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

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.

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.

Growth and Development of Animals

Rat 	Gestation Period: 23 days	Life Expectancy 2 – 4 years
African Elephant 	Gestation Period: 22 months	Life Expectancy 60 - 70 years
Human 	Gestation Period: 9 months	Life Expectancy 68 – 73 years
Killer Whale 	Gestation Period: 17 months	Life Expectancy 60 - 90 years

Vocabulary

fertilisation	The process of the male and female sex cells fusing together.
prenatal	The stage of development from the time of fertilisation to the time of birth.
gestation	The process or time when prenatal development takes place before birth.
reproduce	To produce young.
lifecycle	The changes a living thing goes through, including reproduction.
adolescence	The social and emotional stage of development between childhood and adulthood
puberty	The physical stage of development between childhood and adulthood.
menstruation	When the female body discharges the lining of the uterus. This happens approximately once a month.
adulthood	The stage of development when a human is fully-grown and mature.
life expectancy	The length of time, on average, that a particular animal is expected to live.
asexual reproduction	A process where one parent produces new life
sexual reproduction	A process where two parents – one male and one female – are required to produce new life

Important people and places:

- Miriam Menkin
- Lucy Wills
- Charles Darwin