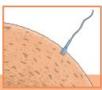


# RED SQUIRRELS SCIENCE – ANIMALS INCLUDING HUMANS

## 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.

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

### 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.



## 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