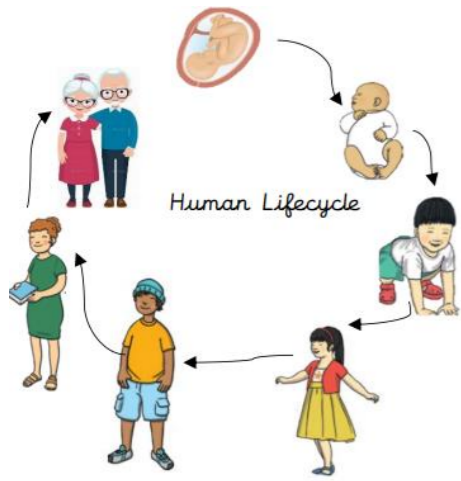


Animals Including Humans : How do humans grow and develop over their life time?

The Stages of Human Development



Foetus: After eight weeks, the group of cells in the mother's womb develops more human-like features, becoming a foetus. The foetus grows inside its mother's womb for nine months. A foetus is completely reliant on the mother and cannot breathe, eat or drink for itself. It receives its nutrition through the umbilical cord.

Baby (birth to 1 year): A baby is born after 9 months and is completely reliant on his/her parents to meet his/her needs.

Toddler and Child (1-12 years old): At this stage, a human learns to walk and talk, read, write and form friendships with other children. A child is still heavily reliant on his/her parents.

Adolescence (13-19 years old): As a child grows, he/she becomes an adolescent (teenager). The teenager goes through a period of physical and emotional change (puberty) as he/she develops into an adult.

Adulthood (20 to 65 years old): An adult's body is full developed. Adults can reproduce and create their own families.

Old age (65 years+): This is the last stage of a human's life. The average life expectancy of an adult can vary from 70 to 85 years old however some adults live beyond their eighty-fifth birthday.

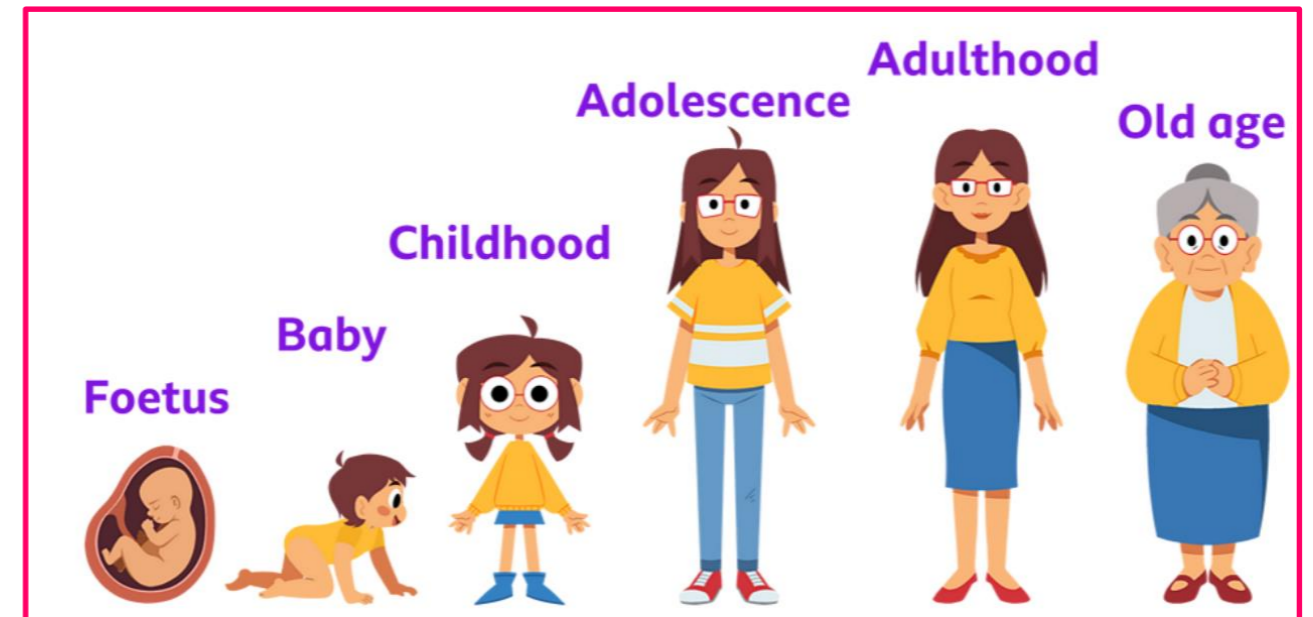


Animals and their offspring

Key Vocabulary

adolescence	The process of developing from a child to an adult (teenager).
adult	A person who is fully grown or developed.
child	A young human being below the age of puberty.
hormones	Chemical messengers that travel through the blood to tell cells and organs what to do.
fertilisation	When male and female cells fuse together.
foetus	An unborn or an unhatched offspring of a mammal, in particular an unborn human more than eight weeks after conception.
life expectancy	The average time that an animal (including humans) can be expected to live.
nutrition	Providing or obtaining the food needed for health and growth.
offspring	A person's child/children. An animal's young.
puberty	The process of physical changes through which a child's body matures into an adult.
reproduce	Have babies / produce young.

The six stages of a human life cycle



Top Takeaways

After finishing this topic you should be able to:

- ❖ Discuss the gestation periods of different animals (including humans)
- ❖ Describe the changes the development of a human foetus from fertilisation to birth.
- ❖ Explain how babies develop into children.
- ❖ Explain the main changes that happen to humans during puberty and late adulthood.
- ❖ Describe all the different stages of human development.

Average gestation period of mammals					
Mouse 20 days	Polar bear 8 months	Camel 13 months			
Kangaroo 1.5 months	Human 9 months	Giraffe 14 months			
Dog 2 months	Cow 9.5 months	Rhino 15 months			
Lion 3.5 months	Seal 11 months	Whale 18 months			
Deer 6.5 months	Alpaca 11.5 months	Elephant 21 months			

BRAIN CHEM