



Key People/Scientists



Alexander Fleming (1881 - 1955)
 Scientist who discovered penicillin, the first antibiotic drug.



Louis Pasteur (1822 - 1895)
 Biologist who worked on vaccinations to stop people getting ill. He discovered that beer, wine, and milk go sour because of bacteria growing in them.

Key Questions

Where do babies come from?	After sexual reproduction, the sperm (from the male) and the egg (inside the female) fuse together.
How long does it take a baby to grow?	It takes typically 9 months (40 weeks) for a human baby to develop inside their mother. Different animals have different gestation periods.
What age will a female start her period?	Females go through puberty at different times. There is no set age for periods to begin, but generally between 10-18.
What happens to the body during old age?	The skin tends to become thinner. Eyesight and hearing could get worse. Muscle strength decreases.

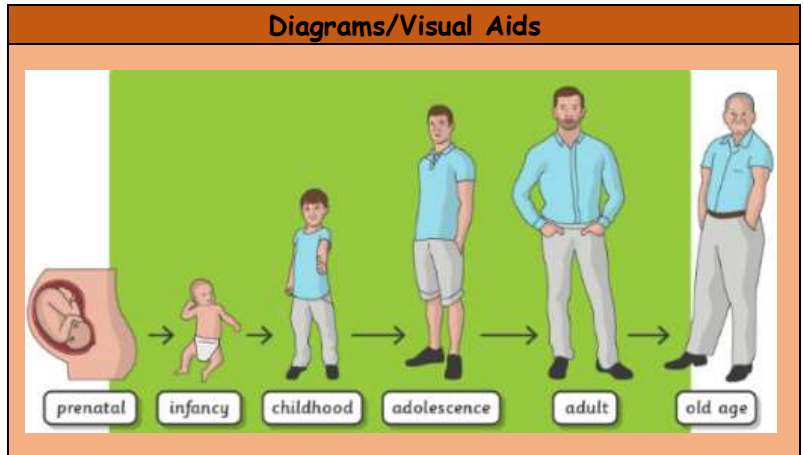
Misconceptions/Key facts

Misconception: Baby's grow in the stomach.
Fact: They grow in the uterus (aka the womb).

Misconception: A miniature baby is folded up inside the sperm or the egg and the other reproductive cell triggers its development.

Fact: The sperm fertilises the egg when the sperm and egg fuse. The fertilised egg (zygote) develops into a ball of cells, which continue to divide and develop into specialised cells to form different organs and systems.

Diagrams/Visual Aids



Key Vocabulary

adolescent	Someone who is developing from a child to an adult (going through puberty).
egg	The female reproductive cell. An egg is fertilised when it is joined with sperm after sexual intercourse.
embryo	The unborn baby before eight weeks in the womb.
development	Development is the gradual growth of a living thing over time.
fertilisation	When the sperm combines with the egg, producing cells that will multiply to become an embryo.
gestation	Gestation is the process in which babies grow inside their mother's body before they are born. A human's gestation period is generally 9 months.
infancy	Early childhood and growth: generally babies and toddlers aged 0-2.
life cycle	The series of changes in the life of an animal including infancy, reproduction and old age (life to death).
life expectancy	How long the length of an animal's life is predicted to be. It varies depending on circumstances (health, wealth etc).
menstrual cycle	If an egg isn't fertilised, a woman will release egg approximately every month. These are known as periods and blood is released for a short period of time.
ovulation	The release of egg(s) which may be fertilised by a sperm cell or released from the body during menstruation.
reproduction	The process of living things making copies of themselves (offspring).
sperm	The male reproductive cell.
womb	The female organ where children are conceived and held during pregnancy.

