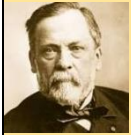




### Key People/Scientists



**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

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

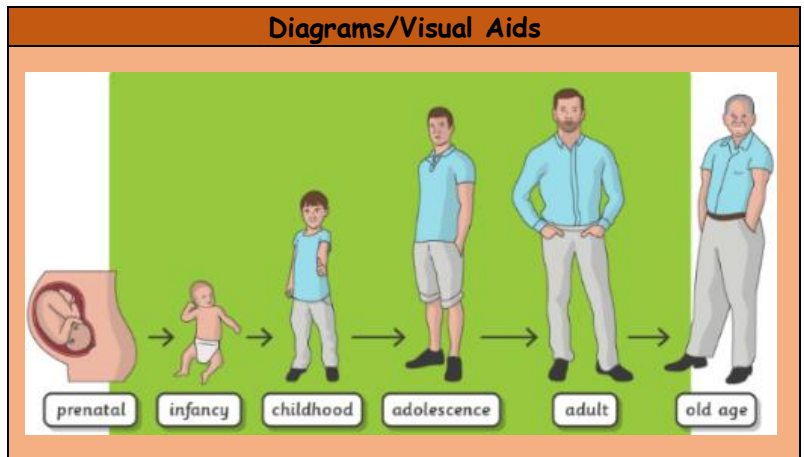
### Misconceptions/Key facts

**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

<b>adolescent</b>	Someone who is developing from a child to an adult (going through puberty).
<b>egg</b>	The female reproductive cell. An egg is fertilised when it is joined with sperm after sexual intercourse.
<b>embryo</b>	The unborn baby before eight weeks in the womb.
<b>development</b>	Development is the gradual growth of a living thing over time.
<b>fertilisation</b>	When the sperm combines with the egg, producing cells that will multiply to become an embryo.
<b>gestation</b>	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.
<b>infancy</b>	Early childhood and growth: generally babies and toddlers aged 0-2.
<b>life cycle</b>	The series of changes in the life of an animal including infancy, reproduction and old age (life to death).
<b>life expectancy</b>	How long the length of an animal's life is predicted to be. It varies depending on circumstances (health, wealth etc).
<b>menstrual cycle</b>	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.
<b>ovulation</b>	The release of egg(s) which may be fertilised by a sperm cell or released from the body during menstruation.
<b>reproduction</b>	The process of living things making copies of themselves (offspring).
<b>sperm</b>	The male reproductive cell.
<b>womb</b>	The female organ where children are conceived and held during pregnancy.

