

Y5

**ANIMALS including Humans**

KNOWLEDGE ORGANISER

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| **What you should already know…** |  | Ageing to Old Age |
| Image result for animal kingdom -Food chains are used to show how living things get their food.-Food chains are made up of producers (who produce their own food) and consumers (animals who eat producers and other consumers).-Humans have incisor, canine, pre-molar and molar teeth, each with different jobs. Animals have different make-ups of teeth depending on their food.-The digestive system has several functions, including ingestion, absorption and excretion. It is made up of different parts, e.g. the stomach.  |  |  |  | -Muscle mass decreases and muscles lose strength.-Wrinkles develop on the skin, and it loses its elasticity.-Hair begins to turn grey/ white. Many people begin to lose the hair on their heads (mainly men).-Fertility decreases (more quickly for women).-People begin to shrink in height as bones and cartilage become worn down.-Organs begin to lose their effectiveness, and the senses (e.g. sight, hearing, etc.) become weaker. |  |
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| **Puberty** |  | Growth and Development of Animals |
|  What is 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. |  | Humans | House Mice | African Elephants | Saltwater Crocodiles | Blue Whales |
| Gestation Period:9 monthsSexual Maturity: 11-17 yearsLife Expectancy: 80 years | Gestation Period:20 daysSexual Maturity: 4-6 weeksLife Expectancy: 1 year | Gestation Period:22 monthsSexual Maturity: 10-12 yearsLife Expectancy: 60 years | Gestation Period:2-3 monthsSexual Maturity: 10-12 yearsLife Expectancy: 70 years | Gestation Period:10-12 monthsSexual Maturity: 10 yearsLife Expectancy: 90 years |
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| 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. | Females-Girls grow taller. They develop breasts, and their hip bones widen. The body becomes curvier.-Boys’ voices become deeper. 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. |  |
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Human Ageing Timeline



Late Adulthood 60+ years

Mid-Adulthood 36-59 years

Early Adulthood 18-35 years

Adolescent 12-17 years

Child 2-11 years

Baby 0-1 years