humans)

rocks)

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What should I already know? What will I know by the end of this Vocabulary Animals can be grouped into Anther - the part of a stamen that produces and releases the pollen bulb unit? a root shaped like an onion that grows into a flower or plant vertebrates (and then further into What will I know by the end of the unit? cell fish, reptiles, amphibians, birds and What is Reproduction is when an animal or plant the smallest part of an animal or plant that is able to function reproduction? produces one or more individuals similar to mammals) and invertebrates independently dispersed scattered, separated, or spread through a large itself: Some examples of life cycles area Sexual reproduction: · requires two parents with male and (including those of plants and dissect female gametes (cells) to carefully cut something up in order to examine it scientifically · will produce offspring that is similar embrvo The processes of dispersal, to but not identical to the parent an unborn animal or human being in the very early stages of development Asexual reproduction: fertilisation and germination fertilisation male and female gametes meet to form an embryo or seed will produce offspring that is Reproduction is one of the seven life flower identical to the parent requires only one parent the part of a plant which is often brightly coloured and grows at the end of processes. How do a stem flowering trees or plants which produce flowers function a useful Parts of a plant, their features and plants reprothing that something does Signa what their functions are. duce? gamete The work of David Attenborough. the name for the two types of male and female cell that join together to 1 1 The word metamorphic means 'a make a new creature germination if a seed germinates or if it is mination change of form' (in the context of Overy germinated, it starts to grow life cycle pollination the series of changes that an animal or plant passes through from the beginning of its life until its death mature When something matures, it is Male gametes can be found in the pollen. 5 fully developed · Female gametes can be found in the ovary (they estiluction metamorphosis are called ovules). a person or thing develops and changes into something completely Pollination occurs when pollen from the anther 11 is transferred to the stigma by bees and other different ovary a female organ which produces eggs ovule a small egg insects. weed dispersul petal thin coloured or white parts which form part of the flower The pollen then travels down and meets the plant ovule. When this happens, seeds are formed a living thing that grows in the earth and has a stem, leaves, and roots this is called fertilisation. pollen Seeds are then dispersed so that germination can begin again. a fine powder produced by flowers. It fertilises other flowers of the same Some plants, such as daffodils and potatoes, can species so that they produce seeds also produce offspring using asexual pollination reproduction To pollinate a plant or tree means to fertilise it with pollen. This is often What are The life cycles of mammals, birds, amphibians done by insects examples of and insects have similarities and differences. life cycles? reproduction One difference is that amphibians and insects go through the process of metamorphosis. This is when an animal or plant produces one or more individuals similar to when the structure of their bodies changes itself seed the small, hard part from which a new plant grows stigma the significantly as they grow (for example, from top of the centre part of a flower which takes in pollen structure the way tadpole to frog or caterpillar to butterfly). in which something is built or made

Scientific enquiry		<u>Diagrams</u>	
 Dissect a flower and identify the different parts of it. Label the different parts and explain their functions. Grow new plants from different parts of the parent plant, for example, seeds, stem and root cuttings, tubers, bulbs. Compare the life cycles of mammals, amphibians, insects and birds. What is similar about their life cycles? What is different? Observe life cycle changes in a variety of living things, for example, plants in the vegetable garden or flower border, and animals in the local environment. Compare the life cycles of plants and animals in the local environment with other plants and animals (in the rainforest, in the oceans, in desert areas and in prehistoric times), asking pertinent questions and suggesting reasons for similarities and differences. Observe changes in an animal over a period of time (for example, by hatching and rearing chicks), comparing how different animals reproduce and grow. 		baby baby coddier with teenager child	Chicken Life Cycle embryo chick hatchling result result Life cycle of a Butterfly Life cycle of a Butterfly Page