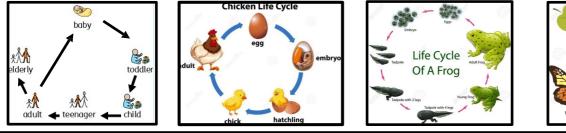


Торі	c: Living things and their habitats	Yea	ar: 5	Strand: Biology	
	What should I already know?	What will I know by the end of the unit?			
<ul> <li>amphibians</li> <li>Some exam</li> <li>The process</li> <li>Reproducti</li> <li>Parts of a p</li> <li>The work or</li> </ul>	n be grouped into <b>vertebrates</b> (and then further into fish, reptiles, s, birds and mammals) and <b>invertebrates</b> uples of <b>life cycles</b> (including those of <b>plants</b> and humans) ses of <b>dispersal, fertilisation</b> and <b>germination</b> <b>on</b> is one of the seven life processes. <b>lant</b> , their features and what their <b>functions</b> are. f David Attenborough. <b>netamorphic</b> means 'a change of form' (in the context of rocks)	What is reproduction?	produces one o itself: • Sexual • req fen • will to b	s when an animal or plant or more individuals similar to reproduction: Juires two parents with male and nale gametes (cells) I produce offspring that is similar but not identical to the parent I reproduction:	
	Vocabulary			I produce <b>offspring</b> that is	
anther	the part of a stamen that produces and releases the pollen			ntical to the parent	
bulb	a <u>root</u> shaped like an onion that grows into a <b>flower</b> or <b>plant</b>		● req	juires only one parent	
cell	the smallest part of an animal or plant that is able to <b>function</b> independently	How do plants repro-			
dispersed	scattered, separated, or spread through a large area	duce?	Stigma	Anther —	
dissect	to carefully cut something up in order to examine it scientifically		Style	Filament -	
embryo	an unborn animal or human being in the very early stages of development	germination		• Petal	
fertilisation	male and female gametes meet to form an embryo or seed	*	- Ovary		
flower	the part of a <b>plant</b> which is often brightly coloured and grows at the end of a <u>stem</u>	pollination		Sepal	
flowering	trees or plants which produce flowers		Receptacle	Ovule	
function	a useful thing that something does		• Male <b>gametes</b> ca	an be found in the <b>pollen.</b>	
gamete	the name for the two types of male and female <b>cell</b> that join together to make a new creature	fertilisation		can be found in the <b>ovary</b> (they	
germination	if a seed germinates or if it is germinated, it starts to grow			irs when <b>pollen</b> from the <b>anther</b>	
life cycle	the series of changes that an animal or <b>plant</b> passes through from the beginning of its life until its death			the <b>stigma</b> by bees and other	
mature	When something matures, it is fully developed	seed dispersal —		travels down and meets the	
metamorphosis	a person or thing develops and changes into something completely different		-	s happens, seeds are formed -	
ovary	a female organ which produces eggs		• Seeds are then a	dispersed so that germination	
ovule	a small egg		can begin again.		
petal	thin coloured or white parts which form part of the flower			ch as daffodils and potatoes, can	
plant	a living thing that grows in the earth and has a <b>stem, leaves</b> , and <b>roots</b>		also produce <b>off</b> reproduction	<b>spring</b> using asexual	
pollen	a fine <u>powder</u> produced by <b>flowers</b> . It <u>fertilises other flowers of</u> the same <u>species</u> so that they produce <u>seeds</u>	What are		f mammals, birds, amphibians	
pollination	To <b>pollinate</b> a plant or tree <u>means</u> to <u>fertilise</u> it with <b>pollen</b> . This is often <u>done</u> by <u>insects</u>	examples of life cycles?	One difference i	e similarities and differences. s that amphibians and insects go	
reproduction	when an animal or plant produces one or more individuals similar to itself		when the struct	cess of <b>metamorphosis.</b> This is ure of their bodies changes	
seed	the small, hard part from which a new plant grows			hey grow (for example, from	
stigma	the top of the centre part of a flower which takes in pollen		tadpole to frog o	or caterpillar to butterfly).	
structure	the way in which something is built or made	L			





## Investigate!

- 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.
- Compare what you already know about David Attenborough, and compare his work to that of Jane Goodall's.



Topic: Living things and their habitats			Year: 5	Strand: Biology		
Question 1: Asexual reproduction	Start of	End of	Question 7: Poll	en transfer from insects is	Start of	End c
occurs when(tick two)	unit:	unit:	one example of how pollination hap-		start of unit:	End c unit:
there is only one parent			pens. Name and	other.		t.
there are two parents			]			
the offspring is identical to the parent			]			
the offspring is similar but not identical to the parent			]			
Question 2: Place these events in the life cycle of a plant (1-4). One has been done for you.	Start of unit:	End of unit:		i conduct an experiment to	Start	End
fertilisation				me seeds germinate quicker	of	of
pollination			make the test f	ime one thing you will do to air	unit:	unit
germination						
seed dispersal	1		]			
Question 3: The life cycles of amphibians and insects are similar because(tick two)	Start of unit:	End of unit:				
they both give birth to live young						
the offspring hatch out of eggs			1 ـ			
they usually both undergo				al whore male and female	Ctort of	E an cl
metamorphosis				el where male and female found in the flower.	Start of unit:	End uni
they can both fly					unit.	
a life process. Which life process is it a part of? respiration nutrition	Start of unit:	End of unit:				
reproduction excretion						
excretion						
Question 5: Place these events of reproduction of a flower in order from 1-4. One has been done for you.	Start of unit:	End of unit:				
bees and other insects fly to another flower and transfer the pollen to the stigma			Question 10: Ex in a plant.	plain how fertilisation occurs	Start of unit:	End uni
the pollen travels down the ovule						
bees and other insects collect pollen from the anther	1					
fertilisation happens with the pollen meets the ovule						
Question 6: Which of these are examples of metamorphosis?	Start of unit:	End of unit:				
teenager to adult						
caterpillar to butterfly						
tadpole to frog						
chick to hen						