

## Literacy in Science Challenge

1. Word-building. Fill in the chart

noun	verb	adjective	adverb
<i>sustainability</i>	sustain	<i>sustained</i> <i>sustainable</i>	<i>sustainably</i>
decomposition decomposer			
		genetic	
pollution			
	reduce		
		extinct	
			competitively
death			
	populate		
reproduction			

2. Use the words from the chart to fill in the sentences.

Over the past million years, many **species** of plants and animals have lived on Earth. Most of these species have died out. When all the members of a species die out the species is .....

When an animal or plant dies its organic compounds are broken down by microorganisms. This is called ..... Energy flows into ..... as they feed on dead organisms and waste material in the ecosystem.

..... means meeting the needs of people today without damaging Earth for people of the future.

Plants and animals look a lot like their parents. They have **inherited** information from them. This information is in ..... and controls how the organisms develop and function.

Most animals and plants use sexual ..... The new **offspring** have two parents so they are not clones.

3. Explain the meaning of the words in bold.

Species – .....

.....

Inherit-.....

.....

Offspring - .....

.....

a) What part of speech are they? A noun, a verb or an adjective?

species ..... inherit ..... offspring .....

b) What is the plural of offspring? What is the singular of species? Fill in the chart for this and other nouns. One noun is done for you.

singular (one)	plural (two or more)
<i>gene</i>	genes
offspring	
	species
mouse	
body	
	factories
	cacti

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**List of words (task1)**

genetically, pollute, decomposed, reduced /reducible, competitive, reproduce, polluted  
 decomposed, reproductive, deadly, populated, decompose, extinction, gene, dead, population,  
 reduction, reproductively, die, compete



## Betting game (literacy in science)

### 1. Bet on these sentences 10, 20, 30, 40 or 50 points

Instructions:

If you think a sentence is correct put 50 points in 'Bet if correct' box. If you are not quite sure, put fewer points, e.g. 20. If you think it is incorrect, fill in the 'Bet if incorrect box'. Leave the Score box empty for now.

Sentences taken from your descriptive writing	Bet if correct	Bet if incorrect	Score +/-
1. The global warming effects the environment by melting ice. If global warming continues to effect the environment, the sea level will rise.			
2. Decomposition are earthworms and fungi, and they break down dead organisms.			
3. White blood cells produce antibodies.			
4. When all the members of a species die out the species extinct.			
5. Babies inherit their gene's from both parents.			
6. Decomposers, e.g. fungi and bacteria, they break down the dead animals which turns into carbon.			
7. Carbon dioxide is taken out of the atmosphere by photosynthesis.			
8. the gasses is affecting our Atmosphere.			
9. Carbon goes into a animal when it eats a plant.			
10. The fertilised egg cell has a mixture of the parents' genes.			
11. Quick changes to animals' habittat can put them at risk of extinction.			
12. A leaf get eat by a bug.			
13. I went to the island because there are lots of birds their I went and studied them.			
14. Chromosomes are made of very long molecules of DNA.			
<b>Total:</b>			

### 2. Correct the sentences in your book.

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