

Task 1

Fill in definitions:

Evolution:

Survival of the fittest:

Natural Selection:

Variation:

Task 2

Use the words below to fill in the blanks

Evolution by Natural selection

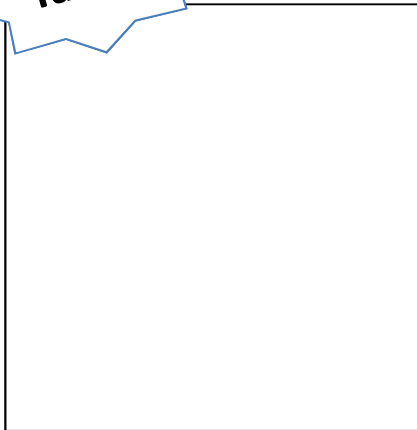
In any population there is always _____. These v_____s are caused by random m_____ in the DNA of organisms. Some of these _____ will help the organism survive better in their habitat long enough to breed and pass on their _____. If something happens like a _____ some of the population will die and some will _____. The ones that survive will pass on their genes and their _____ should survive longer.

Genes, disease, offspring, mutations, survive, variation

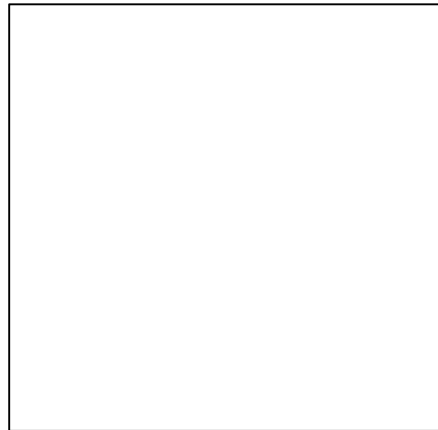
Some of these words can be used twice

Task 3

Draw cartoons to show what is happening with this population of giraffes

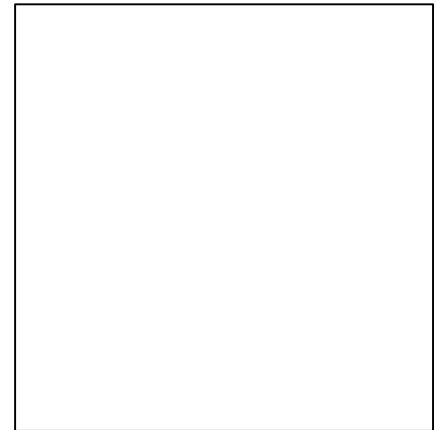


There is variation amongst the giraffes. Some are very short, some medium sized and some are tall. The trees have branches that can be reached by all giraffes. What happens to the giraffes?



There is a drought and the lower branches of the trees die off and the short giraffes cannot reach the branches higher up? What will happen to the short giraffes?

What will happen to the tall giraffes?



There are only tall and medium sized giraffes left and they breed together. What size would their offspring be?

What will happen to the short genes in the population?

Task 4

What will happen to the population of giraffes when the water comes back and the trees grow branches all over again?

Task 5

At the watering hole lions prey on the tall giraffes they are slower to run away. How will this affect the population of the giraffes?