

Name:

Class:



What is an enzyme?

A biological catalyst that is made of protein.

What is the function of a chloroplast?

Chloroplast contains chlorophyll and is the site of photosynthesis.

Some rats have evolved a resistance to the rat poison warfarin.



The information below shows some stages in the development of this resistance but not in the correct order.

- 1. So, the useful mutation is passed on to offspring.**
- 2. A mutation occurred in a gene.**
- 3. The mutation is useful.**
- 4. Rats with the mutation survive to reproduce.**
- 5. As a result, there is an increase in the population of rats with the mutation.**

i. Complete the sequence below to show the stages in the correct order. One has been done for you.

..... **2** → **3** → **4** → **1** → **5**

ii. What may happen to species that do not adapt to new environmental conditions?

Become extinct/ die out/ wiped out. Do not accept die.

What is an allele?

A different form of a gene.

Name the hormone that causes the development of the ova within an ovary?

Follicle stimulating hormone/ FSH

Give the **word and balanced symbol equations** for the following reactions.

i. Photosynthesis.

carbon dioxide + water → glucose + oxygen



ii. Respiration.

glucose + oxygen → carbon dioxide + water

