

Name:

Class:



Which organ produces urea?

- A Bladder
- B Kidney
- C Liver**
- D Pancreas

In which order do organisms occur in the food chain?

- A Carnivore → Herbivore → Producer
- B Herbivore → Carnivore → Producer
- C Producer → Carnivore → Herbivore
- D Producer → Herbivore → Carnivore**

Campylobacter is a bacterium that can cause food poisoning.Which word describes *Campylobacter*?

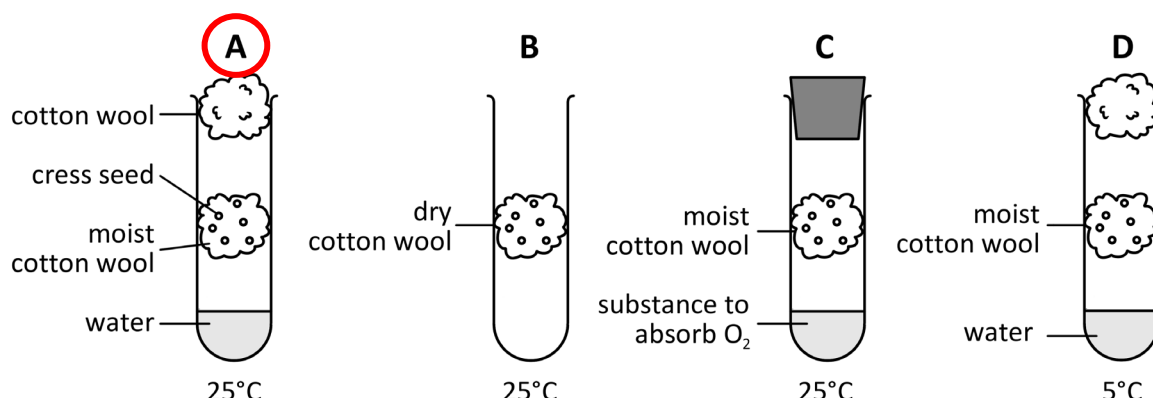
- A Antibody
- B Disease
- C Pathogen**
- D Symptom

State the substrate and products for the enzyme lipase.

Substrate: lipid(s)**Products:** 3 fatty acids and 1 glycerol molecule.

In an experiment to investigate the effects of various environmental factors on germination, four boiling tubes were set up as shown.

In which tube would the seeds germinate most quickly?



What is an enzyme?

A biological catalyst made of protein.

What is a substrate?

A substance that binds to the active site of an enzyme.

Give the balanced symbol equation for photosynthesis.



Name hormone that causes liver cells to take in excess glucose and store it as glycogen.

Insulin

What is the function of a memory B lymphocyte?

To recognise antigens.

A person has a cardiac output of 4.9 litres per minute. The stroke volume of each heart beat is 70 ml. Calculate the heart rate.

Heart rate = $4.9 \div 0.07$ or $4900 \div 70 = 70$ beats per minute.