

Name:

Class:



The table below gives some details of the digestion of food. Complete the table below.

Food material	Digestive enzyme	Source of enzyme	End products
Starch	Amylase/ Carbohydrase	Salivary glands + Pancreas	Maltose/ Glucose
Protein	Protease/ Pepsin	Stomach	Amino acids
Fat	Lipase	Pancreas	Fatty acids + glycerol

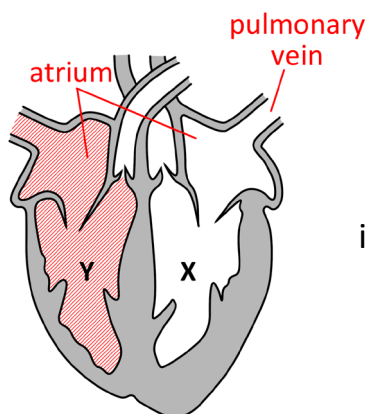
Which component of the blood carries the most carbon dioxide?

- A** Plasma
 B Platelets
 C Red blood cells
 D White blood cells

By which process does water escape from stomata in the leaves?

Diffusion/ transpiration

The figure below shows a diagram of a section through the heart.



Accept only **one** atrium labelled.

i. On the figure

- 1) Label an atrium.
- 2) Label the pulmonary vein.
- 3) Shade in the chambers that contain deoxygenated blood.

ii. Explain why the wall around chamber X needs to be thicker than that around chamber Y.

Any **two** of the following:

- (chamber) X pumps blood further (than Y)
- (X) has more muscle (in wall)
- To contract with/generate greater pressure.

iii. Name the blood vessels that deliver **oxygenated** blood to the muscles of the heart itself.

Coronary arteries

iv. Which chamber of the heart has the most muscular wall?

The left ventricle.

Describe how HIV can be passed from person to person.

Infected bodily fluids/ unprotected sex or sharing needles.

State the phases of mitosis in the correct order?

Prophase, metaphase, anaphase & telophase