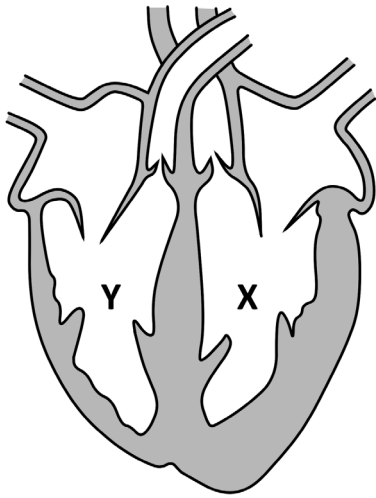


Name:

Class:



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



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.

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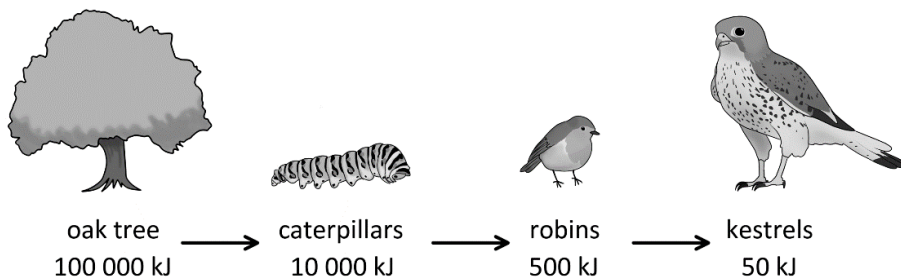
iii. Name the blood vessel that delivers blood to the muscles of the heart.

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

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The figure below shows a food chain. The numbers written below each organism show the relative amount of energy at each trophic level in the food chain.



i. State what the arrows in the figure above represent.

.....

ii. Suggest why the arrows are different sizes.

.....

.....

iii. State the amount of energy that passes from the producers to the primary consumers.

..... kJ

iv. Name two carnivores shown in the figure above.

.....and