

Human Anatomy

Pig Heart Dissection Lab Quiz Study Guide

You will be required to identify these items on a dissected pig heart:

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- Aorta
- Aortic semi-lunar valve
- Apex
- Bicuspid valve
- Chordae tendonae
- Coronary artery
- Interventricular septum
- Left auricle
- Left ventricle
- Papillary muscle
- Right auricle
- Right ventricle
- Tricuspid valve

These vocabulary words will be on the lab quiz in a variety of different types of questions:

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- AED device
- Angioplasty
- Aorta
- Arteries
- Atria
- Bicuspid (mitral) valve
- Capillaries
- Coronary bypass surgery
- CPR
- Inferior vena cava
- Mediastinum
- Pulmonary artery
- Pulmonary vein
- Superior vena cava
- Tricuspid valve
- Ventricles

Be able to answer the following types of questions:

- How do the walls of the atria compare in thickness to the walls of the ventricles? What is the reason for this?
- How does one identify the ventral surface of a preserved pig heart?
- How many chambers does a mammalian heart possess?
- Mammals have what is known as "double circulation". What does this mean?
- What is the function of the heart valves?
- What is the function of the pericardial sac and pericardial fluid?
- What is the purpose of the coronary arteries?
- What is usually the consequence of a blocked coronary artery?
- What other group of animals possess 4-chambered hearts?
- Why are pig hearts used to study the anatomy of the human heart?
- Why is "anterior and posterior" used when describing the human heart, while "dorsal and ventral" is used to describe the pig heart?
- Why is the aorta thicker than other arteries?

Be able to label the following types of diagrams:

- Layers of the heart tissues
- Heart diagram

What to expect on the quiz:

- Questions will be multiple choice, matching, True/False, and completion.
- 30 questions total
- Point value will be 230 points
- No notecard or any external help other than your other lab partner(s)

