

Part 3 Circulatory System

1. Name the part that the ribs are attached to.

Sternum

2. What is the name of this cavity where the heart and lungs are located?

thoracic

3. When cutting with scissors explain why you should always keep the tips of the scissors pointing up.

- avoid damaging internal organs

4. Describe the location of the heart in relation to the lungs.

- in the middle of, lungs surround the heart

5. Describe the external colour and texture of the fetal pig heart.

- hard - pinkish, gray

6. Make an incision across the heart and expose the inner heart chambers. Compare the thickness of the walls of the right and left ventricles. Why is there a difference?

Left ventricle has thicker muscular wall to pump blood throughout body

7. How many chambers do pig and human hearts have?

4

8. Draw a diagram to trace the flow of blood through the heart. For each chamber of the heart, state the type of blood it contains - oxygenated or deoxygenated. Use the back of your sheet.

9. Make a diagram of the external view of the heart. Label the following parts: right and left atrium, right and left ventricle and the aorta.

