

Bio 34.1

Goals: Identify and describe the organs present in a pig. Connect the similarities between these and what is found in humans

Plan:

<https://www.biologycorner.com/pig/fetal.html>

In all five pictures, find the veins or organs and describe them, answering the questions below.

Picture 1:

1) What types of vessels are there? Describe two below

2) Describe the difference between a vein and an artery

Picture 2:

3) Are there any organs you could identify by sight alone? What makes them distinctive?

4) What do all four of these organs have in common?

Picture 3:

5) Which organ on this slide does not give a description? How would you describe what this organ does?

6) Which organ appears to be the largest? It is also the largest in the human body as well.

Picture 4:

7) Name each vessel listed with the numbers (listed as roman numerals below):

- i. >
- ii. >
- iii. >
- iv. >
- v. >
- vi. >
- vii. >

8) Why are they in this order? How would you predict the blood pressure varies at these different points?

Picture 5:

9) Describe the three vessels listed. Which one appears the biggest? Which would have the highest blood pressure?

10) Extra Credit: What is the black arrow pointing to?

Bio 34.2

Goals: review organs within the pig virtual dissection, describe how human organs differ. Discuss the advantages and disadvantages of our large brains

Plan:

Kahoot review: organs and vessels

Breakout groups: Advantages of our high brain/body size ratio and connections

Discussion: how can our advantage be evolutionarily detrimental?

HW: complete virtual dissection