Bio 12 Ch. 10
Circulation
Heart Diagram

Name KEY
Date _____
Block _____

Instructions:

1) Label completely

2) Where does the aorta lead to? body cells
Where do the pulmonary arteries lead to? lungs
Where does the superior vena cava come from? head & arms
Where does the inferior vena cava come from? trunk & legs

3) Colour the side of the heart containing oxygenated blood red.

4) Colour the side of the heart containing deoxygenated blood ~~blue~~ purple

5) Use arrows to show movement of blood through both sides of the heart

6) The chordae tenidaea are not numbered. Number them #15. and label them on the diagram.

7) Draw a circle or box around the pulmonary trunk. Label it #16.

Heart in motion.

Predict the path of a drop of blood as it .
1) Enters the right side of the heart. and exits for the lungs.
2) Enters the left side of the heart and exits for the body.

*List the vessels!

Venae cava
R. atrium
R ventricle
Pulmonary arteries

Lungs

Lungs
pulmonary veins
L. Atrium
L. ventricle

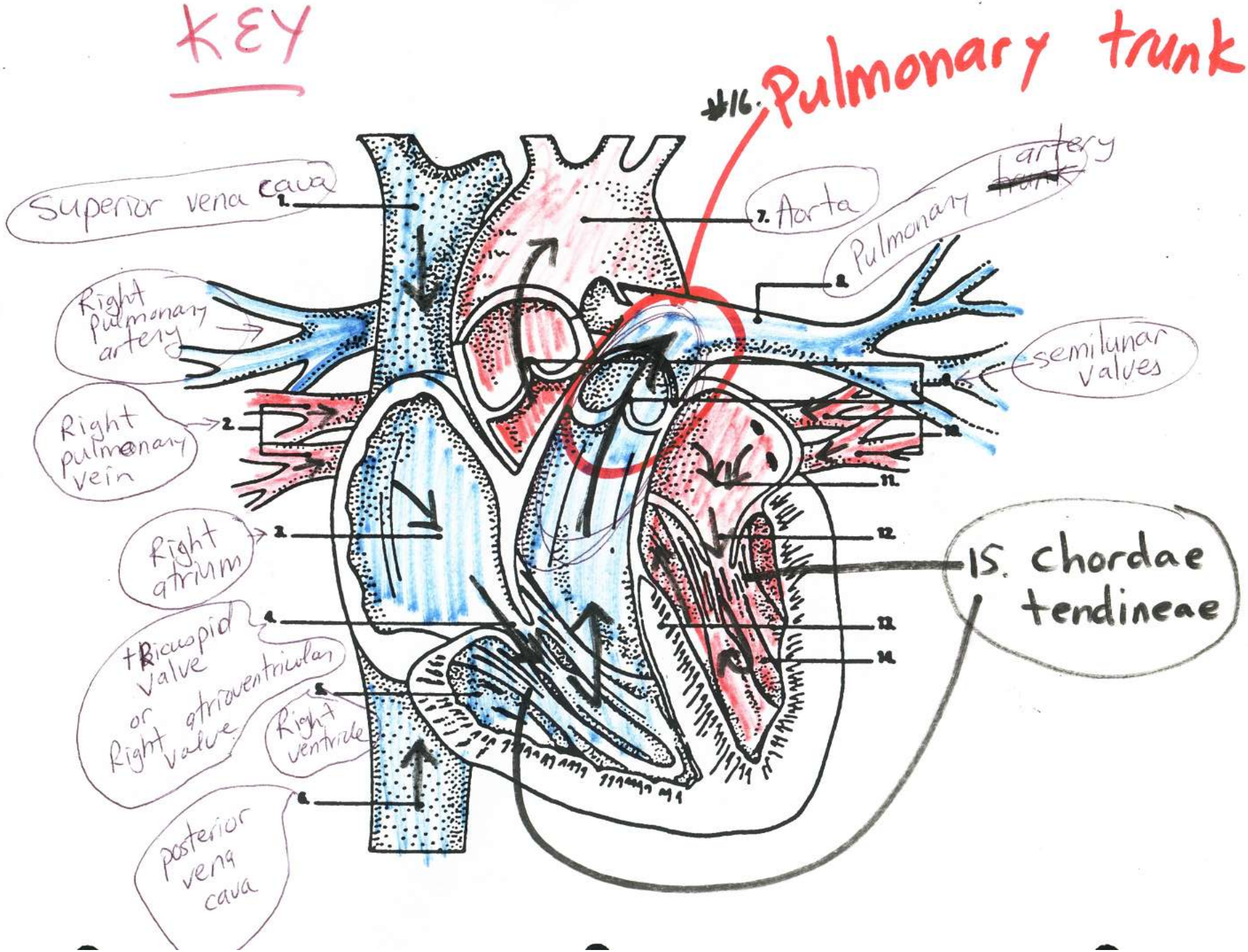
Aorta

Fetal Heart: ~~(Using Inquiry (p.939))~~

Get a 2

1. Diagram of human fetal heart. (The baby has not been born yet.) = label all parts NOT on adult heart & c
2. Using words and diagrams, if necessary, explain fetal circulation.
3. Compare and contrast fetal heart & circ:n with adult.

KEY


#16. Pulmonary trunk
Superior vena cava
1.
7. Aorta
Pulmonary artery
Right Pulmonary artery
semilunar valves
Right pulmonary vein
2
Right atrium
3
15. chordae tendineae
tricuspid Valve or Right atrioventricular valve
4
Right ventricle
5
posterior vena cava
6
11
12
13
14