

## Lab 4 Review Questions

### Table 14.1 Major Blood Vessels pg. 175

| Body Part  | Artery              | Vein            |
|------------|---------------------|-----------------|
| Heart      | aorta               | vena cava       |
| Head       | carotid             | jugular vein    |
| Arms       | subclavian artery   | subclavian vein |
| Kidney     | renal artery        | renal vein      |
| Legs       | iliac artery        | iliac vein      |
| Intestines | mesenteric arteries | hepatic vein    |

### Pulmonary Circuit

Right ventricle → pulmonary artery → lungs → pulmonary vein → left atrium

### Systemic Circuit

Left ventricle → aorta → renal artery → kidneys → renal vein → inferior vena cava → right atrium

### Table 14.3 pg. 177

|                                 | Fetus                                 | Adult                   |
|---------------------------------|---------------------------------------|-------------------------|
| Vessel with highest oxygen      | umbilical vein                        | pulmonary artery        |
| Passage from right to left side | oval opening                          | no passage              |
| Entrance of blood into aorta    | 1. left ventricle<br>2. arterial duct | left ventricle<br>----- |
| Area of gas exchange            | placenta                              | lungs                   |

### Laboratory review 15 pg. 198

1. leukocytes or white blood cells
2. carry oxygen
3. fight infection
4. capillaries
5. red blood cells or erythrocytes

### Laboratory Review 16 pg. 214

1. ureter
2. urethra
3. renal cortex
4. scrotum
5. conducts and stores sperm

6. secretions to the semen
7. suspended from the peritoneum in abdominal mesenteries
8. houses developing fetus
9. produce mature eggs
10. hormones and oviduct
11. pig
12. penis
13. seminiferous tubules
14. follicles

Laboratory Review 19 pg. 262

2. spongy bone
4. cervical
5. femur
7. adduction
8. rotation
12. extend
13. flexes
15. the ribs, the sternum and the thoracic vertebra