

## REVIEW

Getting oxygen around the body...  
(Why do we need oxygen?)

## Functions of the Circulatory System

1. Function is
  - a. Transporting
  - b. Bleeding
  - c. Acquiring nutrients
  - d. Excretion
2. Blood transports what?
  - a. Oxygen & Carbon dioxide
  - b. Nutrients & Metabolic waste
  - c. Water
  - d. Hormones
  - e. All of the above

## Functions of the Circulatory System

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## Blood

3. The liquid in the blood is called
  - a) Thrombocyte
  - b) Plasma
  - c) Serum
  - d) Lymph

## Blood

4. A thrombocyte
  - b. Clots blood
  - c. Is a platelet
  - d. Is just a fragment of a cell
  - e. All of the above

## Blood

5. Which is FALSE about leukocytes?
  - a) Are white blood cells
  - b) Help fight infection
  - c) Are larger than red blood cells
  - d) Are also called lymphocytes

### Blood

6. Which is FALSE about red blood cells?
- a) Called erythrocytes
  - b) Are why blood is red
  - c) When deoxygenated, are blue
  - d) Carry oxygen and carbon dioxide

### The blood vessels

7. These vessels are so small, the blood cells must go through single file
- a) Venules
  - b) Arterioles
  - c) Bronchioles
  - d) Platelets
  - e) Capillaries

### The blood vessels

8. Capillaries have what function?
- a) Gas exchange takes place through the walls
  - b) Nutrients are delivered through the walls
  - c) Wastes are picked up through the walls
  - d) All of the above

### The blood vessels

9. The vessels that carry blood toward the heart are
- a) Capillaries
  - b) Veins
  - c) Arteries
  - d) Arterioles

### The blood vessels

10. The vessels that USUALLY contain oxygenated blood are
- a) Capillaries
  - b) Veins
  - c) Arteries
  - d) venules

### Respiratory System

11. T/F the mouth is part of the respiratory system.

### Respiratory System

12. What is NOT true about Alveoli?
- Where gas exchange takes place
  - Are tiny, grape-like sacs
  - Are surrounded by capillaries
  - Are in the nasal sinuses

### Respiratory System

13. The main way we get air into our lungs is
- The elasticity of the lungs sucks it in
  - The thoracic and inter costal muscles expand
  - The diaphragm moves up
  - The stomach gets bigger
  - The diaphragm moves down

### ?-Chambered Heart

- How many heart chambers for...
- Adult Frog
  - Tadpole
  - Bird
  - Fish
  - Mouse

### ?-Loop Circulatory System

- How many loops does the circulatory system have in a...
- Crocodile?
  - Salamander?
  - Shark?
  - Whale?

### Invertebrate Circulatory Systems

23. What is FALSE about An open circulatory system
- Has a heart
  - Has vessels
  - Has a sinus
  - Is one like ours

### Invertebrate Circulatory Systems

24. FALSE about a Closed circulatory system ...
- The blood stays inside vessels
  - There is nothing to pump the blood
  - Earth worms have these
  - Gas exchange takes place in the small vessels

### Respiratory Systems

25. Which is NOT a requirement for a respiratory system?
- a) Large surface area
  - b) Moist exchange surface
  - c) Gas exchange takes place
  - d) Diaphragm for breathing

### Respiratory Systems

26. Respiratory Organs which is matched correctly?
- a) Gills (small animals only - worms)
  - b) Book lungs (feathery surface-aquatic animals)
  - c) Skin (sheet like surface-spiders)
  - d) Lungs (Insects)
  - e) Tracheal tubes (with alveoli-mammals, reptiles)
  - f) Lungs & air sacs (one-way flow in birds).