

Module 14 Worksheets

Circulatory System (page 343-351)

- 1.) The circulatory system consists primarily of the _____ and _____.
- 2.) What is the purpose of the heart?
- 3.) With the exception of the pulmonary vein, which kind of blood do VEINS carry?
Deoxygenated OR oxygenated blood? (circle one)
- 4.) With the exception of the pulmonary artery, which kind of blood do ARTERIES carry?
Deoxygenated OR oxygenated blood? (circle one)
- 5.) Do Veins always flow AWAY or TOWARD the heart? (circle one)
- 6.) Veins are normally colored _____ in the study of biology? (with the exception of the pulmonary vein)
- 7.) Do Arteries always flow AWAY or TOWARD the heart? (circle one)
- 8.) Arteries are normally colored _____ in the study of biology? (with the exception of the pulmonary artery)
- 9.) How many chambers does the heart have? _____
- 10.) What are the 4 chambers of the heart?
- 11.) The heart is the _____ muscle.
- 12.) Why do endothermic animals need a 4 chambered heart?
- 13.) The entire cycle of a heartbeat is called _____.

BLOOD (page 352-354)

1. More than half of any blood sample is made of what?
2. The levels of the chemicals in your blood is carefully controlled by the
_____.
3. What are the three main types of blood cells?
4. What causes blood to be the color red?
5. Where are red blood cells manufactured?
6. What is the job of red blood cells? (Their primary purpose.)
7. What is the job of white blood cells? (Their primary purpose.)
8. What are the smallest cells in the blood called?
9. What is their major job?
10. What happens if blood clotting happens anywhere else in the circulatory
system?

Blood Video questions (located on Edvance under Lessons)

1. How many pints of blood does he say he has at the very beginning of video?
2. When the blood comes out of the centrifuge machine, what is the top part called?
3. What is on the bottom? What is the cloudiness between the 2 layers?
4. Do you have more or less red bone marrow than a grown up.
5. How long are the blood vessels in just a finger tip?
6. What 3 things does he say you need to do to have clear arteries?
7. What kind of animals do surgeons use in modern medicine to get your blood flowing.
8. What was the purpose of putting blood in the blender?
9. How many blood cells do our bodies create every second?
10. In the factory, he shares that the blood is separated into 3 main products for use? What are they and what are they used for?

RESPIRATORY System (page 355-361)

- 1.) The tubes in the lungs that carry air are called _____.
- 2.) The tiniest of tubes in the lungs that branch from the right and left bronchus.
- 3.) What is found at the very end of the tiny bronchiole tubes?
- 4.) How many are found in a typical adult's lungs?
- 5.) What is the disease associated with cigarette smoking?
- 6.) What pushes along the particles that are trapped by the mucus in your nasal cavity?
- 7.) A dome shape muscle that works with your lungs to allow you to inhale and exhale air.
- 8.) The larynx is often called your _____. They are two _____ stretched across the sides of your larynx.
- 9.) Why does blood flow need to go to the lungs?
- 10.) What are the tiny thin walled blood vessels that exchange gases and nutrients between the blood and cells called?
- 11.) What is the complex system that controls how you breathe?
- 12.) An illness in which your vocal cords become swollen and inflamed. (hint: where are your vocal cords?)
- 13.) What is an inflammation of your bronchiole called? (Think about about what it's called.)