

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Questions

1. How long can people live without food? Why?

\_\_\_\_\_

\_\_\_\_\_

2. How long can people survive without water? Why?

\_\_\_\_\_

\_\_\_\_\_

3. Why can't people survive more than a few minutes without oxygen?

\_\_\_\_\_

\_\_\_\_\_

4. What do people have in common with all living organisms?

\_\_\_\_\_

\_\_\_\_\_

5. What are the two jobs of the respiratory system?

\_\_\_\_\_

\_\_\_\_\_

6. Why does the respiratory system need to pass oxygen to the blood?

\_\_\_\_\_

\_\_\_\_\_

7. How does the circulatory system help the respiratory system get rid of gaseous wastes?

\_\_\_\_\_

\_\_\_\_\_

8. When astronauts travel in space, they must wear special helmets. Why?

\_\_\_\_\_

\_\_\_\_\_

9. How are people like trees?

\_\_\_\_\_

\_\_\_\_\_

10. Fish are able to breathe underwater. Why can't humans?

\_\_\_\_\_

\_\_\_\_\_

Your Body and How It Works    The Respiratory System: Who "Nose" What the Parts of This System Are?

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Questions

1. What is the more common name for each of these parts of the respiratory system?

- |                  |                       |
|------------------|-----------------------|
| a. Alveoli _____ | b. Nasal Cavity _____ |
| c. Cilia _____   | d. Pharynx _____      |
| e. Larynx _____  | f. Trachea _____      |

2. What are the three jobs done by the blood vessels, cilia, and mucus in your nasal cavity?

\_\_\_\_\_

\_\_\_\_\_

3. Why is it better to breathe in through your nose instead of breathing in through your mouth?

\_\_\_\_\_

\_\_\_\_\_

4. Why does the pharynx need to have cilia?

\_\_\_\_\_

\_\_\_\_\_

5. Why does your trachea need to have cartilage rings?

\_\_\_\_\_

\_\_\_\_\_

6. Suppose you want to whisper to the student next to you in class, what must you remember to do with your vocal cords?

\_\_\_\_\_

\_\_\_\_\_

7. Why do you need two bronchi?

\_\_\_\_\_

\_\_\_\_\_

8. What do the lungs look like? (You may draw a picture.)

\_\_\_\_\_

\_\_\_\_\_

9. How can the oxygen you bring into your body get into the circulatory system?

\_\_\_\_\_

\_\_\_\_\_

10. What position must the diaphragm be in when you inhale? When you exhale?

\_\_\_\_\_

\_\_\_\_\_

Your Body and How It Works

The Respiratory System: What Is Breathing?

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Questions

- 1. What is inspiration?  
\_\_\_\_\_
- 2. What is expiration?  
\_\_\_\_\_
- 3. Which body parts are responsible for making the chest cavity larger when you inhale?  
\_\_\_\_\_  
\_\_\_\_\_
- 4. Which body parts are responsible for making the chest cavity smaller when you exhale?  
\_\_\_\_\_  
\_\_\_\_\_
- 5. What happens to the air pressure in your chest cavity when your diaphragm contracts?  
\_\_\_\_\_  
\_\_\_\_\_
- 6. What happens to the air pressure in your chest cavity when your diaphragm relaxes?  
\_\_\_\_\_  
\_\_\_\_\_
- 7. Why does air move in or out of your respiratory system?  
\_\_\_\_\_  
\_\_\_\_\_
- 8. How much oxygen do you inhale? Exhale?  
\_\_\_\_\_  
\_\_\_\_\_
- 9. Why does the amount of oxygen change?  
\_\_\_\_\_  
\_\_\_\_\_
- 10. Why is the percentage of nitrogen inhaled and exhaled the same?  
\_\_\_\_\_  
\_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Questions**

1. Where does respiration take place?

\_\_\_\_\_

2. How does the digestive system work with the respiratory system in the sequence for respiration?

\_\_\_\_\_

\_\_\_\_\_

3. How does the circulatory system work with the respiratory system in the sequence for respiration?

\_\_\_\_\_

\_\_\_\_\_

4. What two things must combine during respiration?

\_\_\_\_\_

5. What does respiration release?

\_\_\_\_\_

6. What are the wastes created during respiration?

\_\_\_\_\_

7. What is the chemical equation for respiration?

\_\_\_\_\_

8. Look at the boxes below. Using the words from the word bank, fill in the boxes in the correct sequence for respiration. Some words will be used more than once.

**WORD BANK:**    breathing    circulation    respiration

—  —  —  —

9. When I have a cold, it is hard for me to breathe. I don't have much energy. Why do you think this happens? (Consider the process of respiration.)

\_\_\_\_\_

\_\_\_\_\_

10. My mother has always told me it is important to go outside every day and get some fresh air. Was she correct?

\_\_\_\_\_