



**GRADE FIVE
CONSOLIDATED
WORKSHEETS
SCIENCE**



MINISTRY OF EDUCATION
GRADE 5 CONSOLIDATED WORKSHEET
SUBJECT: SCIENCE

WEEK1

TOPIC: THE RESPIRATORY SYSTEM

Name: _____ Date: _____

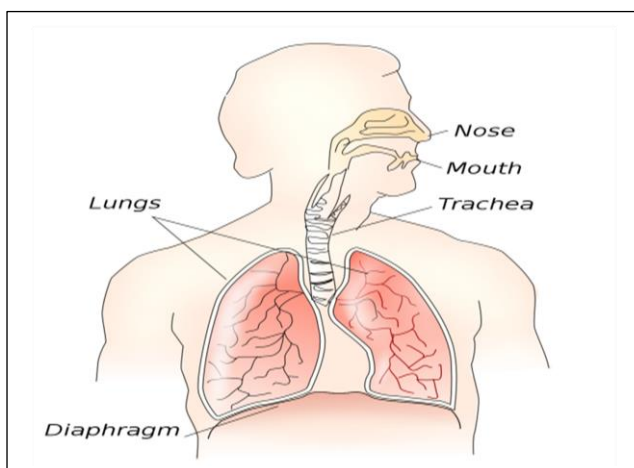
FACTS/TIPS:

Definition: Respiration is the process of breathing in and out gases.

The Process of Breathing

- The air we breathe enters through the mouth or nose.
- After entering the nose or mouth it goes into the **trachea** or **windpipe**.
- The hairs in the nose pick up bits of dust from the air.
- When we inhale the ribcage moves up and out.
- When we exhale the ribcage moves down and in.
- When we exhale the lungs become smaller as the air leaves the lungs.

Parts of the Respiratory System



The main parts of the Respiratory System are: nose, mouth, trachea/windpipe, lungs and diaphragm.

ON YOUR OWN

Provide answers to these questions.

1. What happens when we inhale and exhale?

2. Which is the main organ in this system?

3. List the main parts of the Respiratory System.

4. Why do we need the hairs in our nose?

5. Why is the Respiratory System important?

HOMEWORK

Describe what happens to your breathing when you jump up and down.



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WEEK1

TOPIC: FUNCTIONS OF THE NOSE, WINDPIPE AND LUNGS

Name: _____ Date: _____

FACTS/TIPS:

The Nose

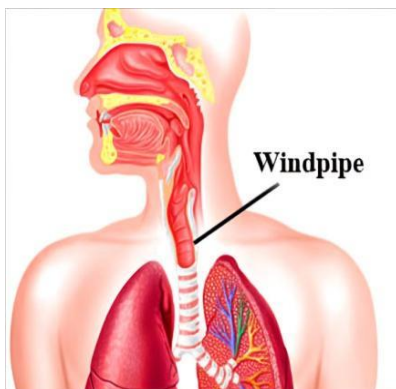


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Learn these fun facts!

- The nose cleans the air that we breathe.
- The nose is the main track for breathing.
- The two holes in our nose are called nostrils.

The Windpipe/Trachea



Learn these fun facts!

- Another name for windpipe is trachea.
- The windpipe takes air to and from the lungs
- We cannot live without the windpipe.
- When a person inhales, air travels through the nose, then down windpipe.

The Lungs



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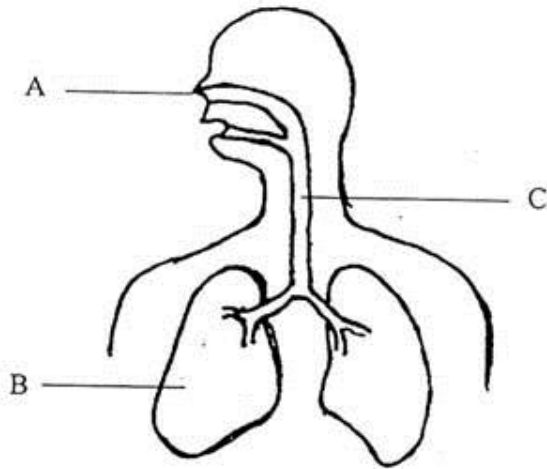
Learn these fun facts!

- They are the main organ of the Respiratory System
- The lungs bring oxygen into the body and remove carbon dioxide from the body.

ON YOUR OWN

Answer these questions

Study the diagram of the respiratory system below.



Write the names for the parts at

A _____

B _____

C _____

1. What is the name given to the two holes in our nose?

2. Write two functions of our nose.

HOMEWORK

Answer these questions

1. Find out then name one disease that can affect the respiratory system.

2. State the other name for windpipe.

3. Name the two gases that are involved in the breathing process.



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WEEK1 Review
TOPIC: THE RESPIRATORY SYSTEM**

Name: _____ Date: _____

Provide the answers for all of the questions below.

1. What is the name of the main gas that goes into our nose or mouth when we inhale? _____

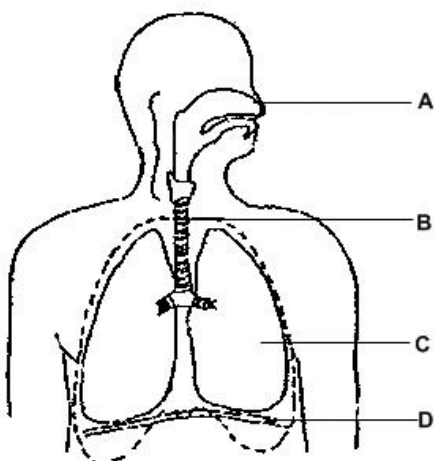
2. The three main parts of the Respiratory System are the _____, _____ and _____.

3. What is the function of the windpipe?

4. Why are the lungs important?
_____.

5. At which point in the breathing process do the lungs get smaller? _____.

Match the parts to the correct names.



6. Diaphragm

7. Trachea

8. Nose

9. Lungs

10. Write one function for the part labelled C.



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WEEK1

TOPIC: THE CIRCULATORY SYSTEM

Name: _____ Date: _____

FACTS/TIPS

Definition:

The Circulatory System is the system that moves blood throughout the body.

The blood goes around your body and it makes a complete trip in half a minute.

Parts of the Circulatory system are:

Heart Arteries Veins Capillaries

We can keep these parts healthy by:

- Eating a balanced diet and avoiding too much fatty foods
- Exercising regularly
- Staying away from harmful drugs

THE CIRCULATORY SYSTEM consist of the

HEART

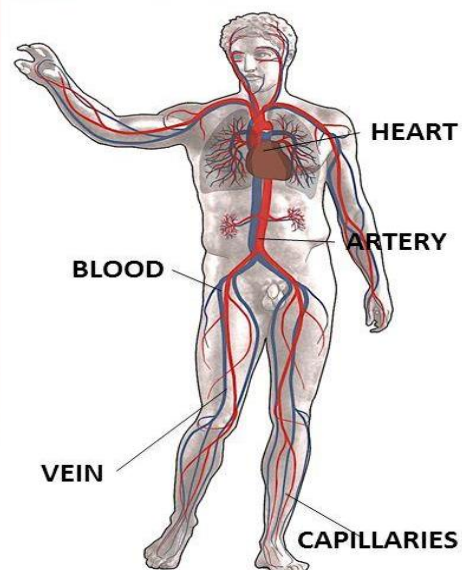
BLOOD VESSELS

VEINS

ARTERIES

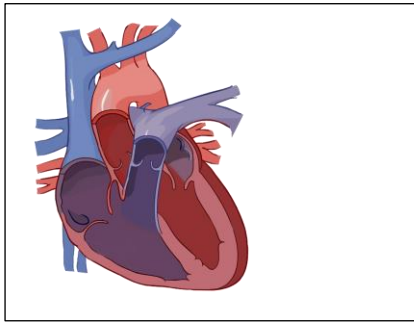
CAPILLARIES

BLOOD.



ON YOUR OWN

Match each part of the circulatory system to the correct name.

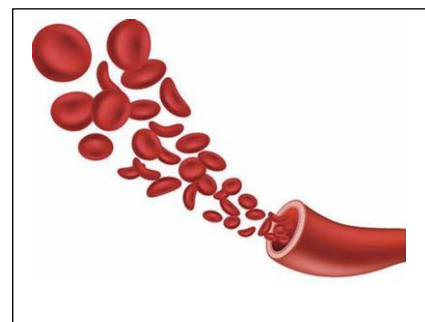
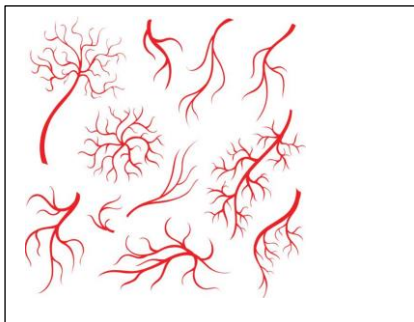
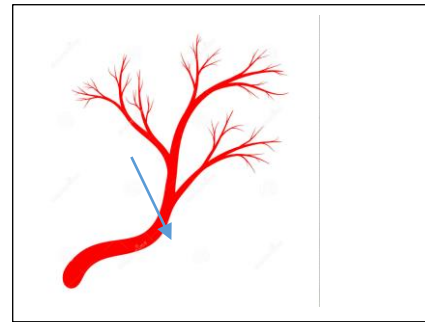


veins

arteries

blood

heart



Give one reason why the circulatory system is important.

- 1 Identify two ways in which we can keep the main parts healthy.
- 2 Which is the most important part in the circulatory system?
- 3 What advice would you give to someone who smokes tobacco?
- 4 Write what will happen to the parts of the circulatory system if someone smokes cigarettes.

Homework:

Answer these questions

- 1 Which is the most important part in the circulatory system?

- 2 The main organs of the circulatory system are

- 3 Write what can happen to the parts of the circulatory system if someone smokes cigarettes.



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WEEK 1

TOPIC: THE CIRCULATORY SYSTEM-FUNCTIONS OF THE MAIN PARTS

Name: _____

Date: _____

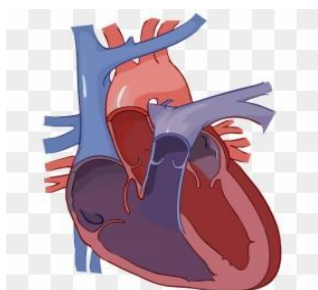
FACTS/TIPS Learn these fun facts!

Blood



- Blood is needed to keep us alive.
- Blood takes nutrients to all parts of the body.
- Blood provides the body with oxygen and removes carbon dioxide.

Heart



- The heart pumps blood to other parts of the body.
- The heart supplies oxygen and nutrients to tissues in the body.
- The heart and blood remove waste from the body.

Blood Vessels



- There are three main types of blood vessels: **arteries**, **veins** and **capillaries**.
- **Arteries** transport blood away from the heart.
- **Veins** return blood back to the heart.
- **Capillaries** help to connect your arteries and veins.

ON YOUR OWN

Provide answers to these questions.

1. What are two functions of blood vessels?

2. Name the parts of the circulatory system that takes nutrients to the body.

3. Give two reasons why the heart is an important organ.

HOMEWORK

In one paragraph, write about the circulatory system.