

Holiday homework – class IV

SCIENCE

Explore the world of seeds

Step:1

Take seeds of lady's finger, coriander, green gram and fenugreek (methi).

Step:2

Sow the lady's finger and coriander seeds in a pot filled with soil.

Step: 3

Place the green gram and fenugreek seeds on moist cloth kept in a petri dish (small bowl).

Step:4

Water it and keep in a place where maximum sunlight is available.

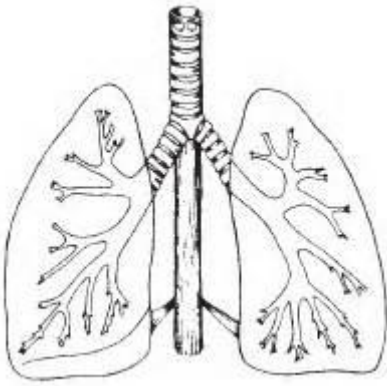


Step:5

Observe the seeds and fill in the following table:

seeds	Day 1	Day 2	Day 3	Day 4
Lady"s finger				
coriander				
Green gram				
fenugreek				

Your Lungs



You do something about twenty times a minute without even thinking about it—you breathe! In fact, every day you take about twenty-thousand breaths. The organs of your body that allow you to breathe are called your lungs. You have two of them that work together, located in your

chest inside the rib cage.

The main purpose of your lungs is to breathe in good air and breathe out bad air. The good air contains oxygen, which your body needs. The bad air is a gas called carbon dioxide, which your body cannot use.

When you breathe in through your nose or mouth, air travels down the back of your throat. It passes through your voice box and into your trachea, or windpipe. Your trachea is divided into two air passage tubes. One leads to your left lung. The other leads to your right lung. Inside your lungs, oxygen is removed from the air you breathe and pumped into blood cells. Your lungs also get rid of harmful carbon dioxide from these cells. This process takes place inside hundreds of millions of tiny air sacs.

Each adult lung is about the size of a football. When they are healthy, your lungs feel a little like a sponge and are pinkish-grey. When lungs are damaged by smoking, they can appear grey or have black spots on them.

One disease that is very common in children involves the lungs. Asthma narrows the breathing tubes, making it harder to breathe. As many as nine million kids in the United States have asthma.

You probably already know that your lungs are important when you swim. But you may not know this—your lungs are the only part of your body that can float on water!

1. Where are your lungs located?

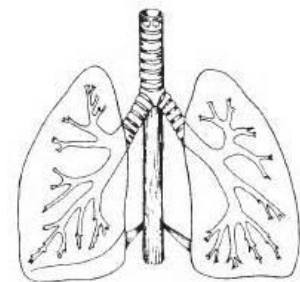
1. Complete the graphic organizer

Type of air that your lungs remove from your blood cells	Type of air that your lungs put into your blood cells

3. What is trachea?

4. What do lungs look like when they've been damaged from smoking?

5. Why does asthma make it hard for people to breathe?



READING ASSIGNMENT

Read the lesson Animals in their surroundings and prepare 10 question and answers based on the lesson.

A large, rounded rectangular box with a grey shaded top-left corner and a grey shaded bottom-left corner. The interior of the box is filled with horizontal lines, providing space for writing 10 questions and answers.