



GRADE : 7

DATE: 1/2/2021

SUBJECT: SCIENCE

WORKSHEET

Chapter 11: Respiration

A. Give one-word for the following.

1. The process of exchange of gases in plants
2. The organ responsible for increasing and decreasing space in the chest cavity
3. The form in which oxygen is carried through the blood
4. Accumulation of this acid in the body causes muscle cramps

B. Write true or false.

1. The rate of exchange of gases in plants is faster than in animals.
2. Respiration is a chemical reaction.
3. Alveoli are found at the end of bronchi.
4. The windpipe branches into two smaller tubes called the bronchi.
5. Energy is released during cellular respiration.
6. Sometimes anaerobic respiration also occurs in our muscle cells.

C. Fill in the blanks.

1. _____ respiration occurs in the cells.
2. The opening between guard cells is called _____
3. In swamps, mangrove trees have _____ to take in air.
4. Some of the energy released during respiration is lost as _____
5. A tadpole has _____ for gaseous exchange.
6. _____ is secreted by the inner lining of the nose.

D. Answer in brief.

1. What are produced when glucose reacts with oxygen?
2. How does over watering affect the growth of the potted plant?
3. Draw a diagram of the human respiratory system and label it.
4. What are the waste products formed during respiration in humans?
5. What are the main organs of the human respiratory system?
6. Differentiate between bronchus and bronchioles.
7. Briefly explain the exchange of gases in the lungs.
8. Write a short note on cellular respiration.
9. Differentiate between aerobic and anaerobic respiration.
10. How can you get relief from muscle cramps?

E. Choose the most appropriate answers.

1. The substance in blood which transports oxygen is
a. haemoglobin. b. oxyhaemoglobin.
c. plasma. d. none of these
2. Which of these is not a part of our respiratory system?
a. Alveoli b. Bronchiole c. Bronchus d. Stomach
3. Which of these animals respire through its cell membrane?
a. Earthworm b. *Amoeba* c. Tadpole d. Cockroach
4. Which one of these is not a product of respiration?
a. Water b. Energy c. Glucose d. Carbon dioxide