

INTERNATIONAL INDIAN SCHOOL BURAIDAH

WORKSHEET

Subject: Science

Class: VII

CHAPTER-10, (RESPIRATION IN ORGANISM)

I) Fill in the blanks:-

- 1) Larynx is also known as -----.
- 2) Frog have ----- and ----- as respiratory organs.
- 3) ----- is produced in anaerobic respiration.
- 4) Muscle cell produce ----- during sudden activity.
- 5) Closing and opening of stomata is controlled by -----.
- 6) The leaves of plants have small pore called -----.
- 7) ----- respiration takes place in presence of oxygen.
- 8) The oxygen carrying components in blood is -----.
- 9) The percentage of oxygen inhaled air is-----.
- 10) ----- is the normal range of breathing rate/minute in an adult person at rest.
- 11) The percentage of carbon dioxide in inhaled air is -----.
- 12) Muscle cramps occur due to accumulation of -----.
- 13) During exhalation the ribs move -----.
- 14) In cockroach the air enters through-----.
- 15) The air tubes in insects are called-----.

II) Multiple Choice Questions:-

- 1) In insects, air enters the body through
 - a) Lungs
 - b) gills
 - c) skin
 - d) spiracles

- 2) During exhalation the ribs move
 - a) Upwards
 - b) downwards
 - c) outwards
 - d) to normal position
- 3) Plants breathe through their stomata located in their
 - a) Leaves
 - b) Stem
 - c) roots
 - d) flowers
- 4) Gills are respiratory organs in
 - a) Fish
 - b) cockroach
 - c) amoeba
 - d) earthworm
- 5) Breathing is a
 - a) Chemical process
 - b) physical process
 - c) biological process
 - d) biochemical process
- 6) In aerobic respiration which chemical substance is produced?
 - a) Lactic acid
 - b) aerobic respiration
 - c) alcohol
 - d) citric acid
- 7) More energy is released in
 - a) Anaerobic respiration
 - b) aerobic respiration
 - c) fermentation
 - d) breathing
- 8) Inhalation is the
 - a) Intake of oxygen
 - b) release of oxygen
 - c) intake of carbon dioxide
 - d) release of carbon dioxide
- 9) Hemoglobin is present in
 - a) RBC
 - b) WBC
 - c) platelets
 - d) plasma
- 10) In plants, exchange of gases takes place through
 - a) Guard cells
 - b) normal cells
 - c) stomata
 - d) epidermis
- 11) Oxidation of food inside cell takes place in
 - a) Mitochondria
 - b) Golgi bodies
 - c) chromosomes
 - d) ribosomes
- 12) Inspiration is the process of
 - a) Taking in oxygen rich in air
 - b) release of carbon dioxide rich in air
 - c) taking in carbon dioxide rich in air
 - d) none
- 13) Hemoglobin carries oxygen molecules as
 - a) Car boxy hemoglobin
 - b) a&c
 - c) oxyhaemoglobin
 - d) none
- 14) Which of the following organism breathe through skin?
 - a) Cockroach
 - b) fish
 - c) earthworm
 - d) human

15) Muscular floor of the chest cavity is called

- a) Diaphragm b) ribcage c) bronchus d) trachea

III) Answer the following questions:-

- a) Define respiration.
- b) What are stomata? Write its functions?
- c) Why do our body cells require oxygen?
- d) What is stomatal apparatus?
- e) Write the difference between breathing and respiration.
- f) Why respiration is essential for all living organism?
- g) Why feel hungry after a physical activity.
- h) Why we get muscle cramps after heavy exercise?
- i) What happens when we inhale air?
- j) Explain cellular respiration.

IV) Name the following:-

- a) An organism that respire by tracheal system.
- b) The air tube of insects
- c) Small pores on leaves surface for exchange of gases.
- d) Red coloured pigment present in RBC.
- e) Small balloon like structure that make the lungs.