

INTERNATIONAL INDIAN SCHOOL BURAI DAH
HALF-YEARLY EXAMINATION WORKSHEET 2023-24

Class-7th

Subject-Science

Date-10/9/2023

Lesson # 1 Nutrition in plants

Lesson # 2 Nutrition in animals

Lesson # 4 Heat

Lesson # 5 Acids, bases and salts

Lesson # 6 Physical and Chemical Changes

Lesson # 10 Respiration in organisms

Section-A

Q-A Choose the correct option-

1. The plant which traps and feeds on insects is:

- (a) Cuscutta (b) China rose (c) Pitcher plant (d) Rose

2. Fat is completely digested in the

- (a) stomach (b) mouth (c) small intestine (d) large intestine

3. A wooden spoon is dipped in a cup of ice-cream. Its other end:

- (a) becomes cold by the process of conduction
(b) becomes cold by the process of convection
(c) becomes cold by the process of radiation
(d) does not become cold

4. The gas we use in the kitchen is called liquefied petroleum gas (LPG). In the cylinder it exists as a liquid. When it comes out from the cylinder it becomes a gas (Change- A) then it burns (Change-B). The following statements pertain to these changes. Choose the correct one.

- (a) Process-A is a chemical change.
(b) Process-B is a chemical change.
(c) Both processes A and B are chemical changes.
(d) None of these processes is a chemical change.

5. During heavy exercise, we get cramps in the legs due to the accumulation of

- (a) carbon dioxide
- (b) lactic acid
- (c) alcohol
- (d) water

Q-B Fill in the blanks-

1. The fishes have _____ for respiration.
2. Changes in which new substances are formed are called _____ changes.
3. Clothes of _____ colours absorb heat better than clothes of light colours.
4. Amoeba digests its food in the _____
5. Green plants are called _____ since they synthesis their own food.

Q-C Write the Answers in one word or one sentence.

1. A plant that has both autotrophic and heterotrophic mode of nutrition
2. Where is the bile produced?
3. Name a substance which is good conductor of heat .
4. Ammonia is found in many household products, such as window cleaners. It turns red litmus blue. What is its nature?
5. What is the Chemical name of baking soda?

Section-B

Q-D Answer the following Question- (2M)

1. How would you show that setting of a curd is a chemical change?
2. List the similarities between aerobic and anaerobic respiration.
3. Name the source from which litmus solution is obtained. What is the use of this solution?
4. Define Convection.
5. What are villi?

Section-C

Q-E Answer the following Question-(3M)

1. Why does an athlete breathe faster and deeper than usual after finishing the race?
2. Explain why:
 - (a) An antacid tablet is taken when you suffer from acidity.
 - (b) Calamine solution is applied on the skin when an ant bites.
3. State similarities and differences between the laboratory thermometer and the clinical thermometer.
5. Name the type of carbohydrate that can be digested by ruminants but not by humans. Give the reason also.

Section-D

Q-F Answer the following Question-(5 M)

1. Explain the process of photosynthesis with the help of diagram and reaction.
2. Explain the human digestive system with the help of diagram.
3. Explain the land breeze and sea breeze with the help of diagram.
4. Explain the digestive system in amoeba with the help of diagram.
5. Explain crystallization process with the help of Copper Sulphate solution.