

INTERNATIONAL INDIAN SCHOOL BURAI DAH
WORKSHEET FOR THE ACADEMIC YEAR 2025-26

Class-6th / Subject : Science

Lesson # 9 Methods of Separation in Everyday Life &

Lesson #10 Living Creatures: Exploring their Characteristic

A. Choose the correct option:

1. Pebbles and stones are removed from sand by _____.
a. Hand-picking b. Threshing c. Filtration d. Sieving
2. The appropriate method used to separate grains from stalk is
(a) winnowing (b) threshing (c) sieving (d) handpicking
3. The method used to get salt from the seawater is
(a) winnowing (b) evaporation (c) sieving (d) handpicking
4. The method of separation used to separate stones from rice is
a. Hand-picking b. Winnowing c. Threshing d. All of these
5. Method of separating heavier and lighter components of a mixture by wind is called
a. Hand-picking b. Winnowing c. Threshing d. All of these

B. Fill in the blanks:

1. _____ is the best method to separate rice from husk.
2. _____ is used to extract butter from curd.
3. Separation of magnetic and non-magnetic substances by using a magnet is called _____ separation.
4. _____ method can be used to separate whole black peppers from pulao.
5. _____ can be used to separate insoluble solid components from a liquid.

C. The question below consists of an Assertion and a Reason. Use the following key to choose the appropriate answer.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true .

1. **Assertion (A):** Sand and pebbles can be separated from each other by using the sieving method.

Reason (R): Sieving is useful to separate components of a solid-solid mixture having different sizes.

2. **Assertion (A):** Separating grains from the stalks is known as winnowing.

Reason (R): In winnowing, the separation of heavier grains from lighter husk particles is done by blowing air or wind.

3. **Assertion (A):** Magnetic separation is a suitable method to separate magnetic substances from the sawdust.

Reason (R): The substances attracted towards a magnet are called magnetic substances.

D. Answer the following questions:

1. Name one method used to separate an insoluble solid from a liquid.

2. Name the method of separation used for separating the following mixtures:

a) salt and water

b) wheat and husk

c) iron filling and saw-dust

3. Write various methods of separation of components from their mixture

L#10 Living creatures : Exploring their characteristics

A. Choose the correct option:

1. Energy is released during the process of

(a) digestion (b) excretion (c) growth (d) respiration

2. A jelly-like cluster of frog eggs is called:

a) Spawn b) Pupa c) Tadpole d) Larva

3. Which of the following does not grow?

(a) Tree (b) car (c) baby (d) butterfly

4. Which of the following is not a characteristic of living things?

a) Growth b) Reproduction c) Movement d) Cutting

5. Which of the following is true for plants and animals?

(a) They make their own food (b) They need sunlight for preparing food

(c) They respire to get energy (d) They move from one place to another

B. Fill in the blanks:

1. _____ is the process of producing new ones of one's own kind.

2. All living beings respond to _____.
3. Mosquito pass through the stages of egg, _____, pupa and adult.
4. The jelly-like substances is actually a cluster of eggs of a frog and is known as _____.
5. Shoots of plants grow towards _____ while roots grow towards _____.
6. The objects around us can be categorised into two types living and _____.
7. Living beings need _____ for their growth and development.
8. _____ is the example of living thing.
9. The process of removal of waste products from the body is called _____.
10. The adult mosquito may survive for _____ days.

C. The question below consists of an Assertion and a Reason. Use the following key to choose the appropriate answer.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true .

1. **Assertion (A):** The presence of light is not essential for the germination of seeds.

Reason (R): Sunlight softens the seed coat and helps the embryo grow.

2. **Assertion (A):** Plants show differential growth of root and shoot in sunlight.

Reason (R): Shoots grow upwards and roots grow downwards.

D. Answer the following questions:

1. Name the process by which plants prepare food.
 2. Give two examples of animals that undergo metamorphosis.
 3. List any three characteristics of living things.
 4. What is respiration?
 5. What characteristic allows living beings to produce offspring of their own kind?
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