



Shree Vasishtha Vidhyalaya

Science Worksheet 2025-26

Name :-

Roll No :-

Worksheet No: Term-1-02

Std.: IV -

Date :-

Q-1) Tick (✓) the correct option.

Ch-6 How Animals Reproduce
Ch-9 Solid, Liquid, Gas

- 1) Which of the following animals is a mammal?
a) Frog ☒ b) Dolphin c) Crocodile d) Butterfly
- 2) What is the young one of a frog called just after it hatches?
a) Fry ☒ b) Tadpole c) Nymph d) Chick
- 3) What is the process called when a young one completely changes into a different form as an adult?
a) Moulting ☒ b) Metamorphosis c) Incubation d) Hatching
- 4) Which part of a bird's egg stores food for the baby?
a) Shell b) Albumen ☒ c) Yolk d) Embryo
- 5) What is the first stage in the life cycle of a butterfly?
☒ a) Egg b) Caterpillar c) Pupa d) Butterfly
- 6) Which of the following has a definite shape?
☒ a) Solid b) Liquid c) Gas d) Solution
- 7) What happens to molecules when a solid is heated?
a) They stop moving. ☒ b) They move faster c) They become larger d) They disappear
- 8) Which of these is a solution?
a) Sand and water. ☒ b) Salt in water c) Oil and water d) Stone in water
- 9) In a solution, what is the substance that gets dissolved called?
a) Solvent ☒ b) Solute c) Mixture d) Solid
- 10) Which state of matter has the molecules spread far apart?
a) Solid b) Liquid ☒ c) Gas d) All of the above

Q-2) Fill in the blanks

- 1) Birds reproduce by laying eggs.
- 2) Fish lay thousands of eggs in water. These eggs are called spawn.
- 3) The sitting of birds on their eggs to hatch them is called incubation.
- 4) The baby of a cockroach is called nymph.
- 5) The larva of a butterfly is called a caterpillar.
- 6) Liquids can flow from one place to another.
- 7) Gases do not have a fixed shape or volume.
- 8) Solids have molecules that are tightly packed.
- 9) The air we breathe is a mixture of different gases.
- 10) Sugar and water together make a sweet solution.

Q-3) True or False

- 1) All mammals lay eggs.
- 2) Birds sit on their eggs to keep them warm.
- 3) Tadpoles breathe through lungs.
- 4) The baby of a butterfly is called a caterpillar.

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- 5) Liquids have a fixed shape.
- 6) Molecules in gases are very loosely packed.
- 7) Water can act as both solute and solvent.
- 8) A solution is always made by mixing only two solids.

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Q-4) Match the Following

- (A)
- 1) Mammals
 - 2) Birds
 - 3) Insects
 - 4) Fish
 - 5) Frog
 - 6) Gas
 - 7) Solute
 - 8) Solution

- (B)
- a. Spreads to fill the container
 - b. Sugar in water
 - c. Hatch from eggs
 - d. Gets dissolved
 - e. Give birth and feed milk
 - f. Look like worms at larva stage
 - g. Go through spawn and fry stages
 - h. Show metamorphosis

Ans:-

- 1- e
- 2- c
- 3- f
- 4- g
- 5- h
- 6- a
- 7- d
- 8- b

Q-5) Think and answer

1) What happens to the molecules of water when it is cooled and turned into ice?

~~The~~ The molecules slow down, come closer and arrange in a fixed pattern

2) How is the life cycle of a butterfly different from that of a hen?

→ A butterfly goes through four stages - egg, caterpillar, pupa and adult.

→ A hen hatches from an egg and grows directly into an adult.

Q-6) Case-Based Question

Read the passage carefully and answer the following questions:

Sneha was visiting a pond and noticed many frog eggs floating on the water surface. A few days later, she saw small creatures with tails swimming in the water. Her teacher told her that they were tadpoles, and soon they would grow legs and become frogs. Later, Sneha observed that some of them had developed legs and started hopping on land.

1. What did the frog eggs first hatch into?

- a) Fry ☒ b) Tadpoles c) Nymphs d) Caterpillars

2. What is the term for the change from tadpole to adult frog?

- a) Incubation ☒ b) Metamorphosis c) Reproduction d) Moulting

3. Describe two changes that occur as a tadpole grows into an adult frog.

The tadpole develops legs and its tail disappears.