

**Class: IV – Science**  
**Chapter – 4**  
**Animals and Their Young Ones**

**Science Quiz-**

Q1. Name an animal whose life cycle involves metamorphosis?

Ans: Frog.

Q2. What is the larva of butterfly called?

Ans: Caterpillar.

Q3. What are the clusters of eggs of frogs called?

Ans: Spawn.

**Section – B**

**A. Write the correct answers.**

Q1. Shedding of old skin by cockroaches is called?

Ans: Moulting.

Q2. The caterpillar changes into butterfly in the?

Ans: Pupa.

**B. Very short answers.**

Q1. Name the baby cockroach that comes out of the egg?

Ans: Nymph.

Q2. Name the larva of a housefly?

Ans: Maggot.

### **C. Short answers.**

Q1. What are the ways by which animals can reproduce?

Ans: Animals can reproduce the following ways: -

- i) By directly giving birth to young ones.
- ii) By laying eggs out of which babies hatch after a short time.

Q2. How do the birds take care of their young ones?

Ans: Birds feed their young ones and teach them how to fly. The parent birds look after their young ones till they are strong enough to look after themselves. This way birds take care of their young ones.

Q3. Some insects like butterfly and housefly have four stages in their life cycle.

a) Name four stages of life cycle of a butterfly?

Ans: The four stages of the life cycle of a butterfly are egg, caterpillars, pupa and adult butterfly.

b) What value do you learn from a butterfly that goes through the struggling stages to come out as a beautiful butterfly?

Ans: We learn that we should work hard and do sincere efforts to achieve our goals.

### **D. Long answers.**

Q1. Describe the life cycle of a cockroach?

Ans: There are three stages in the life cycle of cockroach. A cockroach lays a lot of eggs. After sometime, the baby cockroach comes out of the egg. The baby cockroach is called nymph. Wings and reproductive organs are undeveloped in the nymph. It sheds its skin several times and changes into an adult. Shedding of old skin is called moulting.

Q2. Write about the life cycle of a frog?

Ans: A frog lay a cluster of eggs in a safe place in the water. The cluster of eggs is called spawn, after three weeks, the baby frogs called tadpoles come out of the eggs. The tadpoles look like fish breathe through gills. The tadpoles gradually lose their tails and develop legs. After sometime, they become adult frogs.

Q3. Which part of bird's egg is rich in protein? Draw the internal structure of bird's egg.

Ans: Albumen is rich in proteins.

[See your book and draw internal structure of bird's egg]