

Chapter 1: The Life Cycle of Animals

Q. 1. Fill in the blanks choosing the suitable words given in the brackets

(four, environment, hairy, chrysalis, milkweed, ru, Moulting, caterpillar, kid, eggs)

- (1) The female butterfly lays eggs on the leaves of a plant.
- (2) The larva of a butterfly is called a caterpillar
- (3) The kid of goat takes birth from its mother's tummy.
- (4) The female Plain Tiger butterfly lays eggs on the leaves of milkweed or ru tree.
- (5) Butterflies are part of our environment.
- (6) Moulting means to shed old skin to make way for new growth.
- (7) The caterpillar of Plain Tiger butterfly moults four times.
- (8) The caterpillar stage of a Plain Tiger butterfly is for ten to twelve days.
- (9) The pupa stage of a butterfly is called a chrysalis.
- (10) Many types of caterpillars are hairy

Q. 2. Write whether the following statements are True or False :

- (1) A lamb emerges from an egg. False
- (2) We cannot easily see the eggs of an ant because they are very tiny. True
- (3) Kitten takes birth from the tummy of mother cat. True
- (4) When the caterpillar emerges from the egg, it is not very hungry. False
- (5) When its growth is complete, the mother hen breaks the eggshell and takes the chicken out. False
- (6) Butterfly is an adult stage. True
- (7) Six long legs and two attractive wings are formed when the butterfly is in chrysalis. True
- (8) Female insects never lays eggs in the grains. False
- (9) All the caterpillars are just the same. False
- (10) It is wrong to catch butterflies just for fun. True

Q. 3. Match the columns :

[1]

Column 'A'	Answer	Column 'B'
(1) Larva emerges out from egg	6 to 8 days	(a) 10 to 12 days
(2) Caterpillar gives out first moult	two to two and half days	(b) 11 to 12 days

(3) Caterpillar stays in chrysalis	11 to 12 days	(c) two to two and half days
(4) The period of stage of caterpillar	10 to 12 days.	(d) 6 to 8 days

[2]

Column 'A'	Answer	Column 'B'
(1) Hatching out of eggs	Chicken	(a) Butterfly
(2) Taking birth from mother's tummy	Kid	(b) Chicken
(3) Metamorphosis	Butterfly	(c) Chicken

Q. 4. Answer the following in one or two words each:

- (1) How does hen become for the fear of the safety of her eggs? aggressive
- (2) What is the term for change in the form between young one and adult? Metamorphosis
- (3) Which stage of butterfly eats very rapidly? caterpillar
- (4) How many legs are there in an adult butterfly? six
- (5) What is the shedding of the old skin to make way for new growth called? Moulting

Q. 5. Answer the following questions in short

- (1) Why must the hen sit on her eggs?

Ans. A hen lays eggs Warmth is necessary for the chicks to grow inside the egg. So, after laying them, the hen. sits on the eggs to keep them warm.

- (2) Why does a hen become aggressive when she is hatching her eggs?

Ans. When a hen is hatching her eggs, She becomes aggressive for fear of their safety. She attacks anyone who tries to go near the eggs.

- (3) Which are the four stages of the life cycle of a butterfly?

Ans. Egg, caterpillav (Larva), chrysalis (Pupa), adult are the four stages of the life cycle of a butterfly.

- (4) What changes take place inside the chrysalis of the Plain Tiger butterfly?

Ans. Inside the chrysalis, the caterpillar's body changes a lot.... It's old body breaks clown, and new parts like wings, legs and antannae grow. After all these changes, it becomes a butterfly and come out of the chrysalis.

(5) When does the caterpillar of Plain Tiger butterfly enter into chrysalis of stage of pupa? How many days it remains in the chrysalis?

Ans. The caterpillar of the plain Tiger Butterfly enters the chrysalis (pupa) stage after about 10-14 days of eating and growing. It stays in the chrysalis for about 10-14 days. before emerging as a butterfly..

(6) What is moulting? Why does caterpillar moult?

Ans. Moulting is the process where a caterpillar sheds its old skin to grow. Caterpillars moult because their skin doesn't. stretch, so they need to shed it to make room for their growing bodies.

(7) Why does caterpillar feel very hungry all the time?

Ans. A caterpillar feels hungry all the time because it needs a lot to grow quickly. It uses the food to build up energy and nutrients, which help it became a strong, healthy. butterfly

Q. 6. Think and tell: (Textbook page 6)

(1) You must have seen dragon flies hover over grass. Which stage of their life cycle is this-the egg, larva, pupa or adult?

Ans. When you see dragonflies hovering over grass, they are in the adult stage of their lifecycle

2) When you take a bunch of a leafy vegetable to sort it, you may find holes of different size in the leaves. Some leaves may have been nibbled at the edges. What do you think is the reason for that?

Ans. The holes and by insects, such as nibbled edges in the leaves are caused by insects, such as caterpillars, that feed on the leaves.

(3) When you take some peapods to shell, you sometimes see tiny green living things inside the pod. Which of the four stages of the life cycle of an insect are they?

Ans. The tiny green living things inside the pod are most likely larvae, which is one of the four stages of an insect's lifecycle

Q. 7. Use your brain power:

(1) What are the similarities between the hen and her chick? (Textbook page 2)

Ans. The similarities between a hen and her chick are that they both have beaks, wings, legs and feathers. They also both peck and scratch for food and make sounds to talk to each other. The chick will grow up to look like the hen.

(2) You can easily see hen's eggs. But you hardly notice ant's eggs. What is the reason for this?

Ans. Hens eggs are big and usually laid in nests that are easy to find. Ant eggs are tiny and hidden in underground nests, making them hard to see.