

NCERT Solutions for Class 7 Science Chapter 3 – Fiber to Fabric

1. You must be familiar with the following nursery rhymes:

(i) 'Baa baa black sheep, have you any wool.'

(ii) 'Mary had a little lamb, whose fleece was white as snow.'

Answer the following:

(a) Which parts of the black sheep have wool?

(b) What is meant by the white fleece of the lamb?

Solution:

a) Wool is obtained from hairy fibres of the sheep.

b) White fleece of the lamb refers to the white colour of their fur.

2. The silkworm is (a) a caterpillar, (b) a larva.

Choose the correct option. (i) a (ii) b (iii) both a and b (iv) neither a nor b.

Solution:

(iii) both a and b

3. Which of the following does not yield wool?

(i) Yak (ii) Camel (iii) Goat (iv) Woolly dog

Solution:

The answer is (iv) Woolly dog

4. What is meant by the following terms? (i) Rearing (ii) Shearing (iii) Sericulture

Solution:

i) Raising of domestic animals like sheep, goat, yak, cow and buffaloes for commercial purposes such as for milk and fur is known as rearing.

ii) Shearing is a process of removal of animal hair by using machines similar to those used by barbers.

ii) Rearing of silkworms to get silk is known as Sericulture.

5. Given below is a sequence of steps in the processing of wool. Which are the missing steps? Add them.

Shearing, _____, sorting, _____, _____, _____.

Solution:

Shearing, **Scouring**, sorting, **picking of burrs**, **dyeing of fibres**, **making of yarn**.

6. Make sketches of the two stages in the life history of the silk moth which are directly related to the production of silk.

Solution:



Cocoon



Cocoon with developing moth

7. Out of the following, which are the two terms related to silk production?

Sericulture, floriculture, moriculture, apiculture and silviculture.

Hints: (i) Silk production involves cultivation of mulberry leaves and rearing silkworms. (ii) Scientific name of mulberry is *Morus alba*

Solution:

Sericulture and moriculture

8. Match the words of Column I with those given in Column II:

Column-I	Column-I
1. Scouring	(a) Yields silk fibres
2. Mulberry leaves	(b) Wool yielding animal
3. Yak	(c) Food of silkworm
4. Cocoon	(d) Reeling
	(e) Cleaning sheared skin

Solution:

Column-I	Column-I
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1. Scouring	(e) Cleaning sheared skin
2. Mulberry leaves	(c) Food of silkworm
3. Yak	(b) Wool yielding animal
4. Cocoon	(a) Yields silk fibres

9. Given below is a crossword puzzle based on this lesson. Use hints to fill in the blank spaces with letters that complete the words.

Down

(D) 1 : Thorough washing

2 : Animal fibre

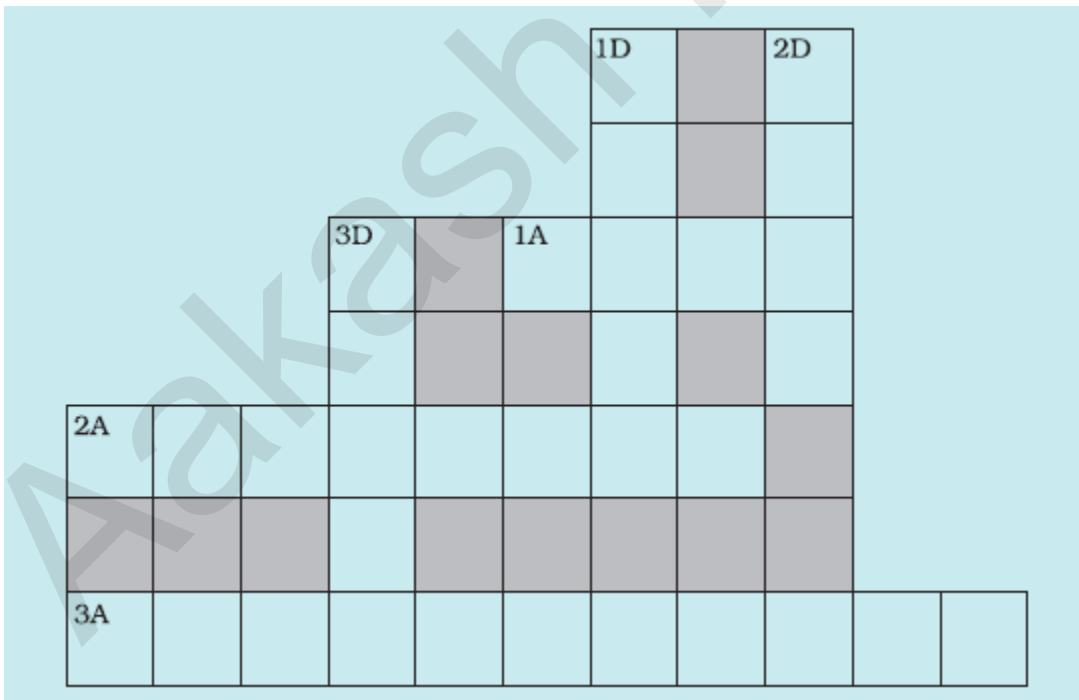
3 : Animal fibre

Across

(A) 1 : Keeps warm

2 : Its leaves are eaten by silkworms

3: Hatches from egg of moth



Solution:

Down:

1D. Scour

2D. Silk

3D. Fibre

Across

1A. Wool

2A. Mulberry

3A. Caterpillar

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