



INDIAN SCHOOL DARSAIT  
DEPARTMENT OF SCIENCE



Subject : SCIENCE Topic : FIBRE TO FABRIC

Date of Worksheet :  
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Resource Person: Mrs. S. Subhaja Nandakumar

Date : \_\_\_\_\_

Name of the Student : \_\_\_\_\_

Class & Division : VII Div. \_

Roll Number : \_\_

**Answer the following**

1. Name the season in which shearing is usually done 1
2. Why is wool bulkier than silk? 1
3. **Match the items of column A and column B** 2

Column A	Column B
(i) Cocoon	(a) Wool
(ii) Science of rearing silk worms so as to obtain silk	(b) Yields silk fibres.
(iii) Australia	(c) Sericulture
(iv) China	(d) Silk

4. **Make meaningful words from the following jumbled words related to wool and silk.** 2
  - (a) NCOOCO-
  - (b) YERMBULR-
  - (c) YXBMOB OMIR
  - (d) EECELF-
5. Which animal material is used to weave fine, soft shawls called Pashmina shawls? 2
6. **Multiple Choice Questions** 2
  - (i) Which of these is not a natural fibre?
    - a. Leather
    - b. Jute
    - c. Wool
    - d. Cotton
  - (ii) Which of the following does not yield wool?
    - a. Yak
    - b. Camel
    - c. Goat
    - d. Woolly dog
  - (iii) In which stage of the life cycle of silk moth forms silk fibres.
    - a. Egg
    - b. Larva
    - c. Pupa
    - d. Adult
  - (iv) Which one is not a variety of silk?
    - a. Tasar
    - b. Chiffon
    - c. Kosa
    - d. Mooga
7. Draw the life history to silk worm. 3
8. **Give reasons of the following** 3
  - (a) It hurts when someone pulls the hair but not when hair is cut
  - (b) A cotton garment cannot keep us warm in winter as a woollen sweater-
  - (c) Caterpillars should not be collected with bare hands- they may cause allergy

9. What are the different sources of wool? 3

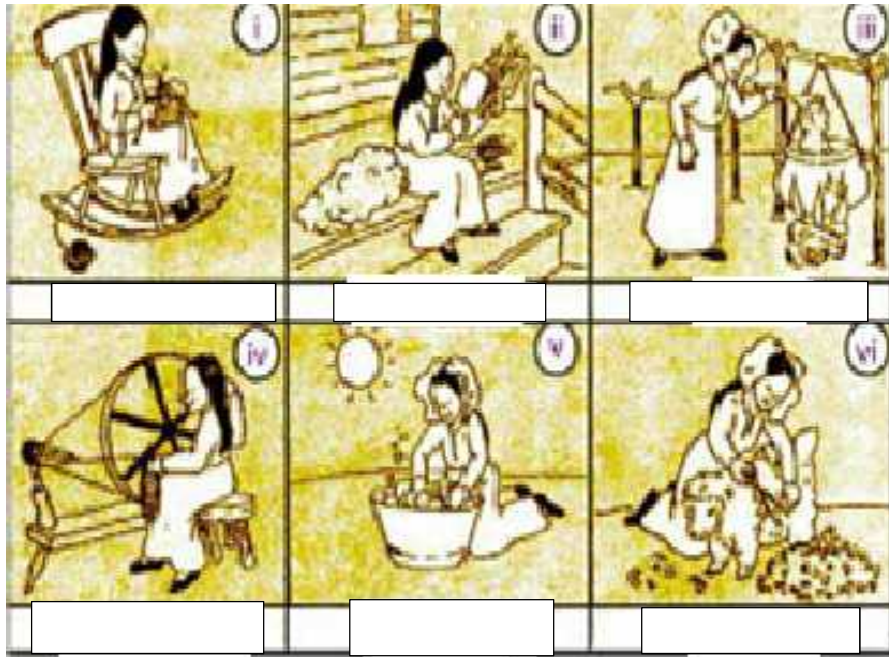
10. **Fill in the blanks:** 3

(a) If wool: winter, then \_\_\_\_\_: summer

(b) If silkworm: silk, then sheep : \_\_\_\_\_

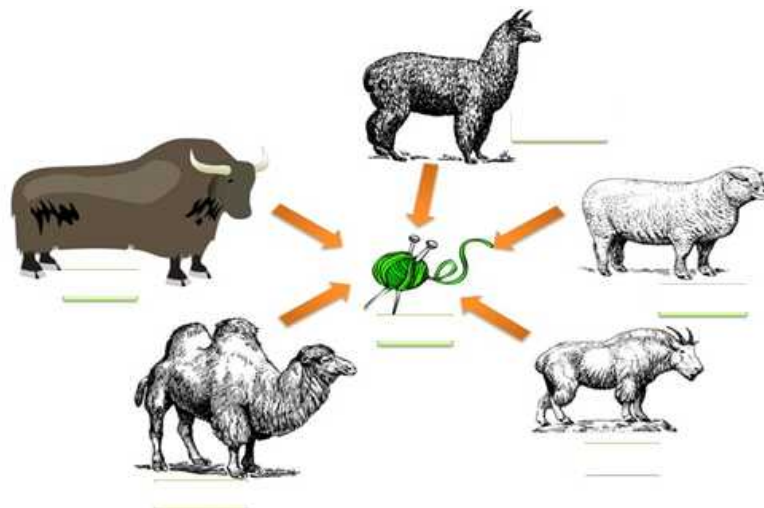
(c) If cotton: king of fibres, then silk : \_\_\_\_\_

11. Identify the method shown in the figures and arrange them based on the sequence of wool production. 3



12. **Identify the animal correctly from the list given below:** 3

(Yak, Camel, Goat, Alpaca, Sheep, Llama)



**What are the different sources of wool?**

The fleece of sheep is not the only source of wool. Angora wool is obtained from angora goats. The fur (hair) on the body of some animals is also used as wool like Llama and Alpaca.

**Name the protein which is the chief component of wool fibres.**

Keratin is the chief component of wool fibres

**Which animal material is used to weave fine, soft shawls called Pashmina shawls?**

The under fur of Kashmiri goat is used to weave fine, soft shawls called Pashmina shawls.

13. Why do some animals have thick coat of hair? **2**
14. Match the items of column A and column B **2**

Column A	Column B
(i) Cocoon	(a) Wool
(ii) Science of rearing silk worms so as to obtain silk	(b) Yields silk fibres.
(iii) Australia	(c) Sericulture
(iv) China	(d) Silk

15. Make meaningful words from the following jumbled words related to wool and silk. **2**

- (b) NCOOCO- (b)YERMBULR-  
 (c) YXBMOB OMIR (d) EECELF-

16. Draw the life history to silk worm. **3**

17. Give reasons of the following **3**

- (d) It hurts when someone pulls the hair but not when hair is cut  
 (e) A cotton garment cannot keep us warm in winter as a woollen sweater-  
 (f) Caterpillars should not be collected with bare hands- they may cause allergy

18. What is meant by the following terms? **3**

- (a) Rearing - .  
 (b) Shearing -  
 (c) Sericulture-

19. Multiple Choice Questions **1x8**

(i) Which of these is not a natural fibre?

- a. Leather                      b. Jute                      c. Wool                      d. Cotton

(ii) Which of the following does not yield wool?

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

(iii) 'Llama' and 'Alpaca' found in South America is also used for obtaining.

- a. Wool                      b. Fodder                      c. both                      d. None

(iv) The fleece of the sheep along with the thin layer of skin is removed from its body which is called

- a. Scouring                      b. Shearing                      c. Sorting                      d. Combing

(v) In which stage of the life cycle of silk moth forms silk fibres.

- b. Egg                      b. Larva                      c. Pupa                      d. Adult

(vi) Which one is not a variety of silk.

- a. Tasar                      b. Chiffon                      c. Kosa                      d. Mooga

(vii) The process of taking out thread from the cocoon for use as silk is called

a. reeling                      b. Weaving                      c. Rolling                      d. spinning

viii) The given figures show different steps in the production of wool. Identify the method shown in the figures.



a. vi, ii, iv, v, iii, i                      b. vi, v, ii, iv, iii, i                      c. v, vi, iii, ii, iv, i                      d. vi, iii, ii, iv, i, v

20. A table related to Indian breeds of sheep and quality of wool from which they are obtained is given below ½  
x10

S. No.	Name of breed	Quality of wool	State
1)	Lohi	Good quality wool	Rajasthan, Punjab
2)	Rampur bushair	Brown fleece	Uttar Pradesh, Himachal Pradesh
3)	Nali	Carpet Wool	Rajasthan, Haryana, Punjab
4)	Bakharwal	For Woolen Shawl	Jammu and Kashmir
5)	Marwari	Coarse Wool	Gujarat
6)	Patanwadi	For hosiery	Gujarat

Answer the following questions on the basis of the given table :

- Q.1 Which breed of sheep is good for woollen shawls? \_\_\_\_\_
- Q.2 For hosiery purpose which breeds is best? \_\_\_\_\_
- Q.3 Which quality of wool is obtained from Marwari variety of sheep? \_\_\_\_\_
- Q.4 Name two states where Lohi breed is found. \_\_\_\_\_
- Q.5 Carpet wool is obtained from which variety of sheep. \_\_\_\_\_
- Q.6 'Brown fleece' is obtained from which variety of sheep. \_\_\_\_\_

21. One evening, Geeta was busy cooking dinner and her father was in the garden. Suddenly, Geeta saw her dupatta had caught fire. She shouted loudly and ran out of the kitchen. Her father saw flames and rushed towards her with a cotton sheet. He quickly wrapped it around Geeta to put off the flames. He immediately took her to hospital. Doctor said Geeta had received burns because the dupatta, made from polyester(synthetic fibre), had melted and stuck to her skin. Her father had received only a few scalds while wrapping Geeta with cotton sheet and putting off the flames. Since he was wearing cotton kurta, pyajama he was saved. The doctor appreciated her father's presence of mind in wrapping a sheet that helped in extinguishing the fire immediately. Fortunately the burns were not very severe and Geeta recovered soon. 3

**Answer the following questions:**

- i) Why did the dupatta catch fire?
- ii) Why was Geeta's father relatively safe from burns?
- iii) What type of fabric should you prefer to wear while working in the kitchen?
- iv) Which other fabrics can be worn while working near fire?
- v) People know that synthetic fabrics catch fire easily yet most of them wear these clothes while working in the kitchen. What advise will you give to persons, before working in the kitchen?
- vi) What value does Geeta's father exhibit?

22. **Fill in the blanks:** 3
- (d) If wool: winter, then \_\_\_\_\_: summer
  - (e) If silkworm: silk, then sheep : \_\_\_\_\_
  - (f) If cotton: king of fibres, then silk : \_\_\_\_\_

23. **Identify the animal correctly from the list given below:** 3
- (Yak, Camel, Goat, Alpaca, Sheep, Llama)

