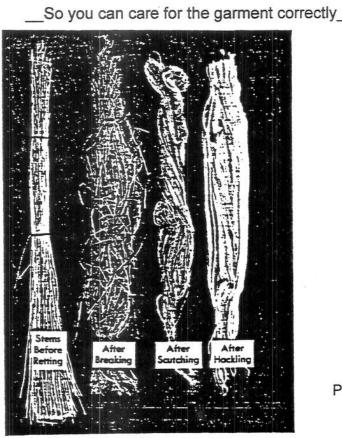
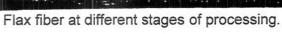
nit III Topic A: Pattern				Option Teacher Ke
ame	Perio	od	Date	
FI	BERS: MAN	JFACTURED	AND NATURA	AL
irections: Answer the	following que	stions as the	material is pres	sented.
. What is fabric made of	of?Strands	of fibers wove	en or knitted to	gether
. The two (2) groups of	fibers are: _	manufacture	d and	natural
. There are three terms	s commonly u	sed for non-na	atural fibers. T	hey are:
manufactured	syn	thetic	mar	ı-made
. List two (2) categories	s of synthetic	(man-made) f	ibers and give	an example of each.
Categories: 1	cellulose (woo	od pulp)	2r	ayon, acetate
Examples: 1n	on-cellulose (petroleum che	emicals)	2nylon, polyester
Briefly describe how s	synthetic fiber	s are made.		
The chemical comp	oound is force	d through a s	pinnerette and	allowed to dry
Name several charact	teristics of syr	nthetic fibers.		
Durable, strong, cle	ean easily, ho	ld shape, take	color well	
What are some comm	nonly used pro	oducts made	of synthetic fibe	ers?
Carpet, upholstery,	clothing, uml	orellas, draper	ries, camping a	and sports equipment_
Some advantages of	synthetic fiber	rs are:		
Always available, le	ess expensive	, can be alter	ed to meet any	need, stronger
Some disadvantages	of synthetic fi	bers are:		
Don't allow air to pa	ass through, h	ot to wear, st	atic electricity I	ouild-up
. How are the disadvan	tages of synt	netic fibers ge	enerally overco	me?
By blending with na	atural fibers fo	r a balance of	f characteristic	s
. Explain the difference	between the	generic name	and the trade	name. Give an
example of each.				
A generic name ist	the name of th	ne chemical co	ompound	Polyester, spandex_
				Dacron, lycra
. List five (5) natural fib				
Fibers:cotton	linen	wool	silk	leather/fur
Source: cotton plant				

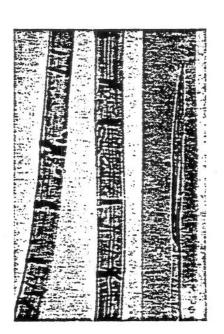
Unit III Topic A: Patter	ons (Option 5	
			her Key
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Name	Period	Date	
FIBER	S: MANUFACTURED	AND NATURAL - PAGE 2	
13. What are some adva	antages of natural fibers	s?	
They allow air to p	oass through, more con	nfortable to wear, feel good to touch_	_
14. What are some disa	dvantages of natural fib	pers?	
Not always availab	le, more expensive, wri	nkle easily, more difficult to care for	-
15. Briefly describe how	wool is made.		
Sheep sheared, v	vool cleaned and dyed,	wool spun into yarn, fabric made	_
16. Explain what happen	ns to natural fibers whe	n laundered incorrectly.	
Fabric shrinks, wr	inkles, fades, gets stiff,	crinkles up	
17. Why are natural fibe	rs often more expensiv	e?	

__The manufacturing process is more difficult and time consuming_

18. Why is it important to check the label of a garment for the fiber content?







Photomicrograph of flax showing nodes.