Unit II	II Topi	c A: Fibers and Fabrics	Option 4 Teacher Key			
Name	!	Period Date				
		CLOTHING FIBERS				
Direct	tions:	Fill in the following information as you view the video.				
1.	Α	is the basic building block of cloth.				
2.		is cloth?yarns woven or knit together				
3.		are yarns made from?fibers twisted together				
4.		of us uses about60 pounds of textile fibers a year.				
5.	Fibers	s can be classified asnatural orsynthetic_				
6.		ral fibers have their origin from _plants or _animal				
7.	Synth	netic fibers are calledman-made ormanufactured	fibers.			
8.	List fo	our (4) natural fibers and three (3) synthetic fibers.				
	<u>Natur</u>	ral wool linen linen				
		cottonsilk	1950/4410107v0070301040446			
	Synth	<u>netic</u> <u>nylon</u> acrylic				
		polyester				
9.	Synthetic fibers do notabsorb moisture, but natural fibers do.					
10.	Why are most T-shirts made from 100 percent cotton?to absorb perspiration					
11.						
		ricity or cling.				
12.		You cannot tell the fiber in a fabric just by looking at it.				
13.		Fiber content labels are not required on all clothing items.				
14.	TF	• • • • • • • • • • • • • • • • • • • •				
15.	TF		ised together.			
16.	T F	Polyester/cotton is the most common blend of fibers.				
17.	T F	By blending two (2) fibers you can have the advantages of b				
18.	TF	To get the benefits of cotton or wool in blended fabrics, the				
		must be at least 50 percent and the wool content must be a	t least 80			
4.0		percent.				
19.	TF	Fiber labels are only found in clothing items.				
NATU	JRAL I	FIBERS				
20.	C	Cotton was used by Native Americans in about 700 A.D.	and the			
Egypt	tians 4	,000 years ago.				
21.	After	the cotton flower drops from the plant, it is replaced with a po	d called a			
cot	ton	<u>boll</u> .				
22.	Cotto	on is no longer harvested by hand but by machines calleds	trippers			
and _	picke	ers .				

1. \_\_\_bed coverings\_\_\_\_\_ 4. \_\_\_wall covering\_\_\_\_\_

5. \_\_\_\_draperies\_\_\_\_

6. upholstery\_\_\_\_\_

39.

2. \_\_\_handkerchiefs\_\_\_\_\_

3. \_\_\_fine fashion/suits\_\_\_\_

Linen is usually \_\_more\_\_ expensive than cotton.

Unit III Topic A: Fibers and Fabrics Optio				
CLOTHING FIBERS - PAGE 3				
40Silk has always been associated with beauty and luxury.				
41. The process of making silk was invented in _China_ about5,000 years a	ago.			
42. Silkworms used for making the silk fibers feed onmulberry	_			
leaves and eatcontinuously				
43. Each cocoon contains from 900 to 1,300 yards of fibers.				
44. A silk thread is as strong as a _wire of equal thickness.				
45Ramie is made from theramie plant.				
46. Ramie is <u>strong</u> , <u>durable</u> , and <u>absorbent</u> .				
47. Ramie fibers are usually used:				
AloneXX Blended with other fibers				
SYNTHETIC (MANUFACTURED) FIBERS				
48Polyester is the most commonly used synthetic fiber.				
Polyester's best quality is that it resistswrinkling				
Most synthetic fibers begin as apetroleum product.				
51. Dupont introduced its DACRON brand of polyester in1951				
52. Nylon has some of the look and feel of silk.				
53. Give six (6) examples of products made of nylon.				
1Women's stockings 4Netting				
2Parachutes 5Outdoor/sports gear	***************************************			
3Roadbeds 6				
54. Nylon has replacedwool as the fiber most used in carpets.				
55. Nylon was introduced to consumers in _1939 and gained acceptance first nylon _stockings replaced those made of silk.	as			
56. Acrylic is a synthetic fiber that is made from _coal, _air, _water_	_,			
oil, andlimestone  57. Acrylic imitates wool and has many of the same characteristics.	11			
57. Acrylic imitateswool and has many of the same characteristics. is _warm and _soft but does not have its _water handling				
ability.				
58. A cotton / acrylic blend is often used in sweaters.				

	III Topic A: Fibers and Fabrics	Option 4 Teacher Key
<i>D D</i>	CLOTHING FIBERS - PAGE 4	
RAAR	N-MADE (MANUFACTURED) FIBERS	
59.	Rayon andacetate start life as trees. These	fibers are
J9.	made from chemically altered wood pulp.	libers are
60.	Rayon was thefirst man-made fiber used for clothing and	dates hack
00.	to the Civil War.	datoo baok
61.	T F Rayon wrinkles terribly.	
62.	Until 1924, rayon was known as artificialsilk	
63.	Rayon is commonly used forouter wear, and acetate is co	mmonly used
	forunder_ wear. Some other uses are:	
	Rayon:artificial hearts	
	Acetate:	
$\odot$		
64.	T F There is no one <b>best</b> fabric; it depends upon what it is to b	e used for.
	ol/swimsuits  Ex. = Wool is weak when wet; becomes heavy when	n it absorbs a
	lot of water; dries very slowly; may be rough and ito	hy to your
	skin; doesn't smell very pleasant when wet.	
Nylo	on/T-shirtsnylon is non-absorbent; would be hot	
Cott	ton/business suitswrinkles too easily; wouldn't hold its shape	
Poly	yester/underwearpolyester is non-absorbent; would be hot	
Silk	/stockingssilk isn't as stable as nylon; wouldn't hold shape as well	
Ray	on/parachutesrayon isn't strong enough; would split in thrust of a	ir
Acry	ylic/towelsacrylic is non-absorbent; wouldn't get you dry	
Silk	/swimsuitssilk shows water spots and doesn't hold dyes well; not	sun friendly
Woo	ol/track suit _wool is weak when wet; becomes heavy with water; od	or unpleasant_
Ray	on/backpacksrayon isn't strong enough; would split with wear	
Poly	yester/cleaning clothpolyester is non-absorbent; wouldn't pick up	dirt, etc
Silk	/window curtainssilk isn't sun-friendly; would rot quickly	
Nylo	on/sheetsnylon isn't absorbent; body perspiration wouldn't be abs	orbed
Cott	ton/swimsuitsby itself, cotton doesn't hold its shape when wet; sui	t would fall off_