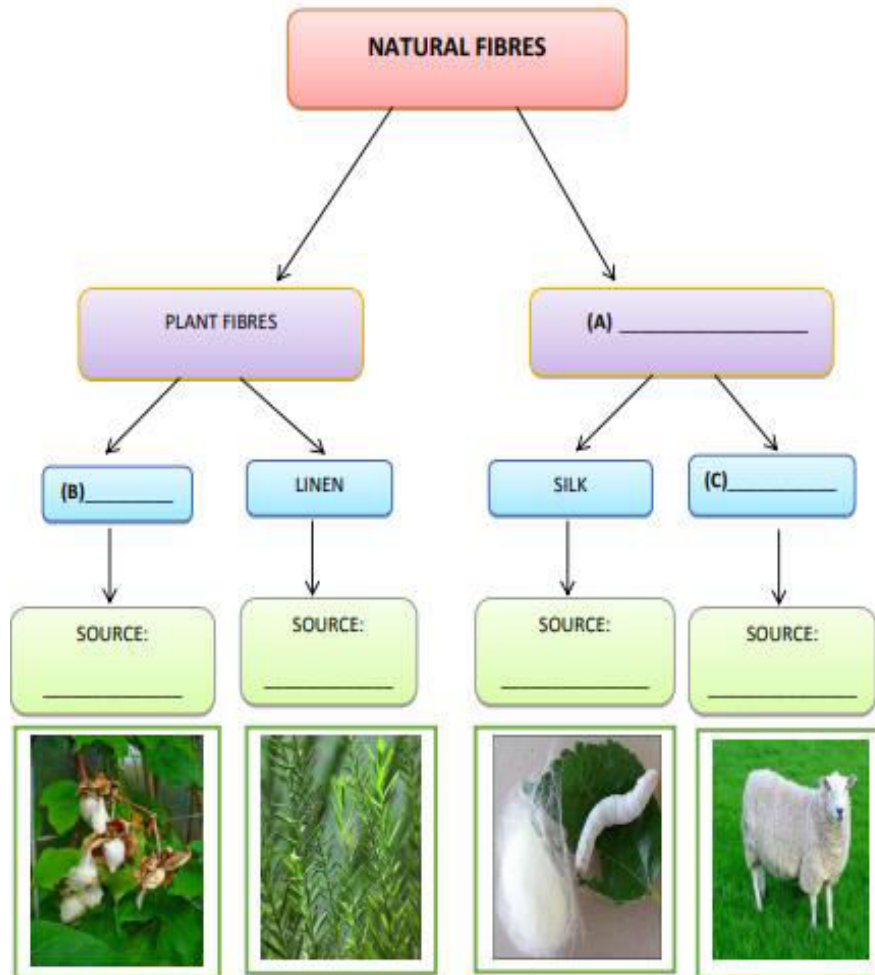


**PENANG SANGAM HIGH SCHOOL**  
**YEAR 9 HOME ECONOMICS**  
**SUPPLEMENTARY RESOURCES**  
**CLOTHING AND TEXTILES**

Study of Fibres









1. Complete the classification of fibres.



2. Complete the table below on the properties, advantages, disadvantages of natural fibers. Some columns have been filled for you. Paste pictures in the last column on uses.

FIBRE	PROPERTIES	ADVANTAGES	DISADVANTAGES	USES
Cotton	1. _____ _____	1. _____ _____	1. _____ _____	1.  2. 
	2. _____ _____	2. _____ _____	2. _____ _____	
Linen	1. Strong and smooth. 2. More absorbent than cotton.	1. _____ _____	1. _____ _____	1. _____ 2. _____
		2. _____ _____	2. _____ _____	
Silk	1. _____ _____	1. Smooth and attractive luster. 2. Drapes well.	1. _____ _____	1. _____ 2. _____
	2. _____ _____		2. _____ _____	
Wool	1. _____ _____	1. _____ _____	1. _____ _____	1.  2. 
	2. _____ _____	2. _____ _____	2. _____ _____	

3. **Fibre identification.** Identify the fibres and state their burning test results.

Microscopic Appearance	Fibre	Type of Flame	Smell	Residue
				
1.  Flat-ribbon-like fiber with twists at intervals.				
2.  Cylindrical fiber with nodes at intervals.				
3.  Scaly fiber with pointed edges.				
4.  Smooth and straight fiber.				

4. **Fabric characteristics.** Complete the sentences given below.

- i. The way the fabric feels is called its \_\_\_\_\_.
- ii. A soft fabric is \_\_\_\_\_.

iii. \_\_\_\_\_ is how shiny a fabric is.

iv. How well a fabric absorbs water is called \_\_\_\_\_.

v. \_\_\_\_\_ is very absorbent.

vi. \_\_\_\_\_ has very little absorbency.

vii. \_\_\_\_\_ is how well a fabric stretches and returns to its original shape.

viii. Denim has \_\_\_\_\_ stretch.

ix. \_\_\_\_\_ tells us how easily a fabric burns.

x. \_\_\_\_\_ and \_\_\_\_\_ burns easily.

xi. \_\_\_\_\_ has poor flammability.

xii. \_\_\_\_\_ describes how strong a fabric is.

xiii. \_\_\_\_\_ is a strong fabric; \_\_\_\_\_ is a weak fabric.

xiv. How well a fabric conducts heat is called \_\_\_\_\_.

xv. How well a fabric keeps its colour is \_\_\_\_\_.

xvi. Cotton \_\_\_\_\_ in the sun.