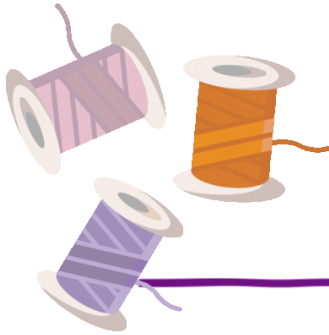




CONSUMER STUDIES: SUMMARISED NOTES

GRADE 10 – TERM 3


TEXTILES & TEXTILE FIBERS



natural fibres

COTTON | LINEN | WOOL | SILK

terminology

COMFORTABLE	DURABLE	ELASTIC	ABSORPTION
Fits your body, without straining or wrinkling. It retains body heat.	Strong and does not tear easily. Wear resistant (does not rub through easily).	Can return to its original position after stretching.	Ability to absorb moisture from the skin and allow it to evaporate in order not to feel the damp. Does not build up static electricity.
PILLING	WATER RESISTANT	WATERPROOF	
Forms little balls on the surface due to wear.	Absorbs water to some extent, and you remain partially dry.	Water does not penetrate the textile fabric at all and you stay completely dry.	



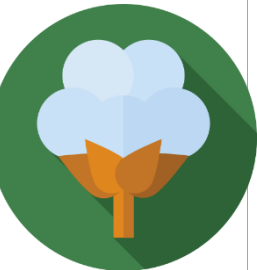



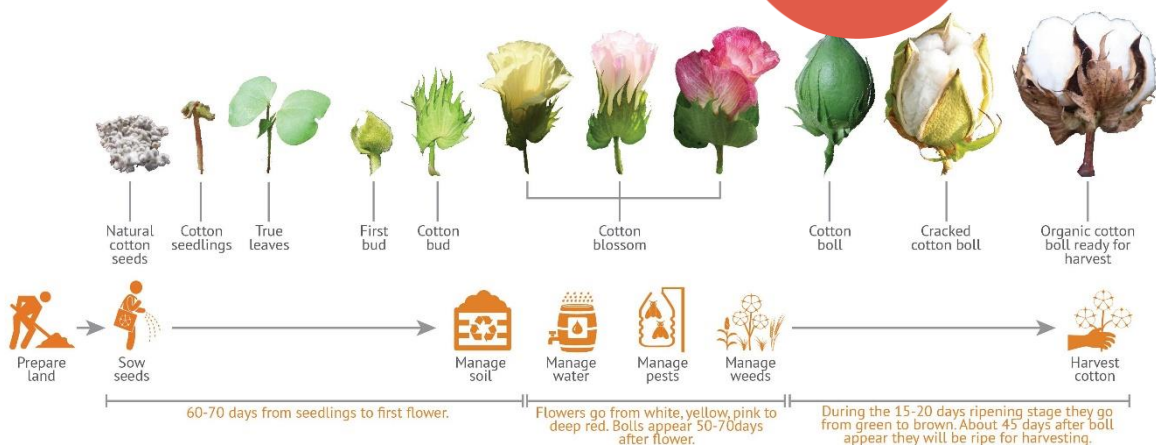
vegetable fibres

consist of cellulose

COTTON



ORIGIN	CHARACTERISTICS	USES	IDENTIFICATION	HANDLING
Seeds of a cotton pod. 	Absorbent Durable Strong Wear Resistant Conductor of heat. No static electricity. Fungi & insects can damage it Shrink after first wash Not elastic or resilient	Summer clothes Bed linen Towels Drying cloths Upholstery 	Fire test: Burns quickly and keep on fire as flame is removed. Smells: like paper After: Only grey and fluffy ash.	Machine wash (110°C) Any detergent Can be bleached. Can be rubbed hard (wear resistant). Very hot iron. Tumble dry.



Total growth cycle = 5-6 months.







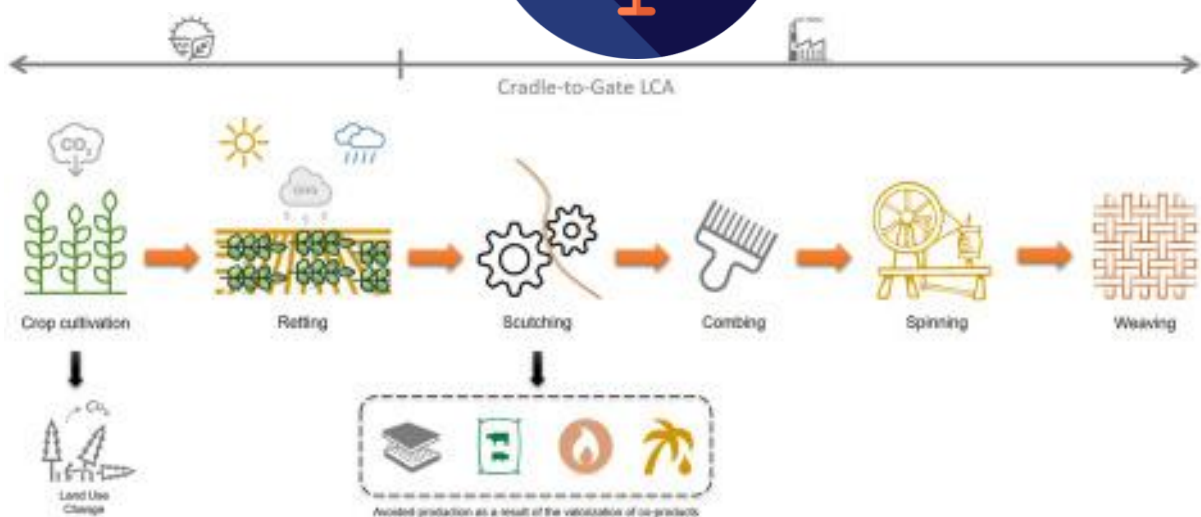
vegetable fibres

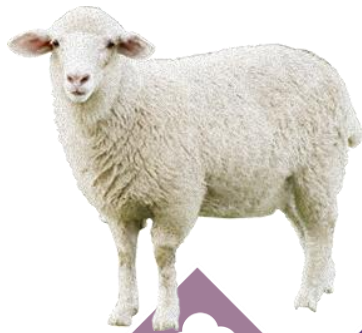
consist of cellulose

LINEN (FLAX PLANT)



ORIGIN	CHARACTERISTICS	USES	IDENTIFICATION	HANDLING
<p>Flax plant</p> 	<p>Absorbent Durable Strong Wear Resistant</p> <p>Conductor of heat.</p> <p>No static electricity.</p> <p>Fungi & insects can damage it</p> <p>Shrink after first wash</p> <p>Not elastic or resilient</p>	<p>Summer clothes</p> <p>Sheets</p> <p>Drying cloth</p> <p>Upholstery</p> <p>Tablecloths</p> <p>Curtains</p> <p>Loose covers</p> 	<p>Fire test: Burns quickly and keep on fire as flame is removed.</p> <p>Smells: like paper</p> <p>After: Only grey and fluffy ash.</p>	<p>Machine wash (110°C)</p> <p>Any detergent</p> <p>Can be bleached.</p> <p>Can be rubbed hard (wear resistant).</p> <p>Very hot iron.</p> <p>Tumble dry.</p>





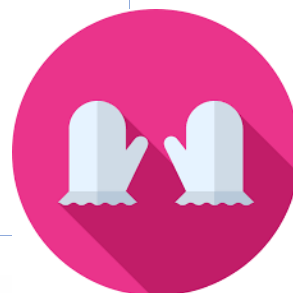
animal fibres

consist of proteins

WOOL



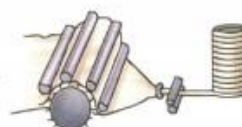
ORIGIN	CHARACTERISTICS	USES	IDENTIFICATION	HANDLING
Sheep	Absorbent (colours easily)	Winter clothes	Fire test: Burns slowly with a flickering flame.	Hand wash
Goat	Good insulation (warm)	Curtains	Smoulder and die if flame is removed.	Luke warm water.
Rabbit	Elastic	Blankets	Smell: Hair.	Stretch when wet - leave to lie flat to dry.
	Weak conductor	Rugs	Ash: Dark grain that becomes fine when you touch it.	Preferably dry cleaning
	Resilient (does not wrinkle)			
	Flame retardant (does not burn easily)			
	Weak when wet.			
	Yellow in sun			
	May be damaged by insects & alkalis.			



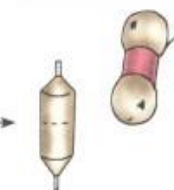
Shearing



Scouring



Carding



Spinning

Steps involved in processing of wool



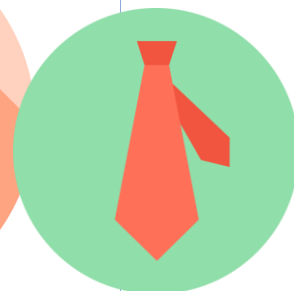
animal fibres

consist of proteins

SILK



ORIGIN	CHARACTERISTICS	USES	IDENTIFICATION	HANDLING
Silkworms that spin cocoons.	Absorbent (colours easily) Wear resistance. Strong. Slightly elastic Weak conductor. Does not shrink during washing. Looks expensive. Yellows in sun May be damaged by insects, sun and bleach Sweat makes stains. Static	Evening dress Wedding dress Underwear Scarves Curtains Upholstery	Fire test: Burns slowly with a flickering flame. Smoulder and die if flame is removed. Smell: Hair. Ash: Dark grain that becomes fine when you touch it.	Hand wash - be careful (water stains it) / dry clean. Cool water. Keep away from the sun. Ironing: low temperatures at the back.



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A Jonker