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**Lab #1: Comparing swatches** *You will need your swatch kit and access to [thetextilekit.com](http://thetextilekit.com)*

Keep fabric samples in a neat stack while you're working, so you don't get samples confused!  
(5 points total each question)

**1: Inspect swatches #1 and #2. Describe the hand (the sensory quality) for each swatch.**

SAMPLE # 1 Feels Somewhat smooth to touch      SAMPLE # 2: Feels smooth to touch

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**2. Look online for the swatch information. What is the Fiber Content for each sample?**

SAMPLE # 1: 100 % Cotton

SAMPLE # 2: 100% Cotton

**3. Look at swatches #3 and #4. Which one has the greatest opacity?**

SAMPLE # 4



**4. For swatches #3 and #4, Which of these samples would be more appropriate for men's shirting, and how do you know?**

Swatch 4 would be more appropriate for men's shirting because first of all its 100% cotton, breathable, opaque, and it's much softer than swatch 3. Also, swatch 3 seems like it would be more appropriate for interior end use. For example, curtains, furniture, or table linen.



**5. Examine swatches #5 and #6. Which sample # would provide optimal drape for a loose-fitting summer garment?**

SAMPLE # 6

**6. Explain how you decided that one fabric would be more appropriate than the other for this end use.**

I was able to decide that swatch 6 would be more appropriate for a loose-fitting summer garment because swatch 5 is too stiff and it would cause the wearer to feel hotter and uncomfortable based on the weather. Swatch 6 is more breathable, and it'll give the optimal drape for the desired loose fitting drape look.

**7. Examine swatches #7 and #8 by crumpling them lightly in your hand, one at a time, and letting them go. Which sample has the best wrinkle recovery?**

SAMPLE # 8



**8. What is the advantage of wrinkle recovery in apparel?**

The advantage of wrinkle recovery apparel is that you would save money and time from needing to take your clothes to the dry cleaners. For example, if you buy a garment that doesn't require much dry cleaning and it resists to wrinkling then it is said to have good wrinkle recovery.

**9. Examine swatches #9 and #10. Which sample has the greatest permeability?**

SAMPLE # 10

**10. What aspect of comfort is affected by permeability? Why do you want greater permeability for apparel?**

The aspect of comfort affected by permeability is the measure of air flow through the fabric. Usually, people want to feel comfortable no matter how cold or hot the weather may be in their clothing. So, the reason why I would want greater permeability for apparel in general is that I don't want to feel neither too hot nor too cold when I wear a certain article of clothing; I want to feel comfortable.



**11. What is the fiber content of swatch #11?**

100% natural seagrass

**12. Look at the swatch kit info for swatches #12 and #13. What do they have in common?**

What swatches 12 and 13 have in common is that they're both made from wool, natural protein fibers, and the wool comes from sheep.

**13. Examine the swatches themselves. Which of these could be considered a topweight fabric?**

Between swatches 12 and 13 the one that would be considered topweight fabric is sample 13 because they we're able to describe the fabric, identify the fabric, and they provided other information. For example, they used heat, moisture, and agitation to be able to achieve this fabric.



**14. Examine swatches #14 and #15. Which swatch has the optimal (greater) drape?**

SAMPLE # 15

**15. Examine swatches #14 and #15: and identify one garment you could make with each swatch.**

**Swatch #14 garment:** a knee length skirt

**Swatch #15 garment:** A long flowy evening dress with a slit on the side of the thigh



**16. Examine swatches #16 and 17. Which sample has greater luster?**

The sample that has the greatest luster is swatch 17

**17. What is the effect of a lustrous fabric, and when is it desirable in apparel?**

The effect of a lustrous fabric is that its sheen when light reflects off the surface. It's mostly desirable when it's for menswear and womenswear. For example, informal and formal purposes.

**18. Flip over sample #18: One side is darker in color than the other. Which do you think is the face of the fabric (ie. for a garment, which side faces out)?**

The colorful side is the side that faces out and the lighter side is the side that faces inward.

**19. Look at swatches #19 and #20. Which of these fabrics has better shape retention?**

The swatch that has the best shape retention is sample 19 because it seems like during use it has the ability to retain its use.

**20. Choosing between swatches #19 and #20, which of these will be the best choice for a pair of yoga pants?**

The swatch that would be the best choice for a pair of yoga pants is sample 20 because its breathable and it has the ability to stretch. So, even though sample 19 has the better shape retention it wouldn't be appropriate to make yoga pants out of that fabric.