- **C. Type of weave patterns:** In a weave, the lengthwise yarn is called **warp**. It is usually stronger, smoother, and more even, with a tighter twist to it than the **weft**, which is the crosswise yarn. The warp need not be the same material as the weft (this would be called a blend), nor the same color. Sometimes, the warp and the weft have different diameters in order to produce special effects, such as ribbing.
- 1. Cut off a small square (about 3 inches by 3 inches) of fabric and place under your microscope.
- 2. Examine each piece and do the following: identify the fiber, draw the weave pattern below, label which is the **warp** and which is the **weft**, and write a description for each pattern.

Fiber	Fiber	Fiber
Description	Description	Description
Fiber	Fiber	Fiber
Description	Description	Description

D.	Answer	the foll	owing	auestions	concerning	both:	narts A	and	C:
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1.	What	properties	of the	known :	fibers	did you (observe?
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- 2. What additional properties of fibers did you learn about that could increase the odds of finding a match between fiber samples?
- 3. Can you differentiate between plain, twill, and satin in the fabric samples you examined in part C? Are there any blends?