

Fabric Dyeing Worksheet

Data Table

	Wool	Acrylic	Polyester	Nylon	Cotton	Acetate
Part A. Black Tea						
Part B. Control Dye bath _____						
Part B. Variable _____						
Part C. Control Dye bath _____						
Part C. Variable _____						
	Wool	Acrylic	Polyester	Nylon	Cotton	Acetate

Post-Lab Questions

- Describe the colors produced by the black tea solution. How did the intensity of color on the different fabrics compare to your prediction from *Pre-Lab Question #2*?
- What is the purpose of the control in an experiment?
- Describe the effect of the variable used in Part B for each type of fabric.
- Compare the general ease of dyeing the six different fibers in the multifiber test fabric. Which fabric(s) consistently developed the most intense colors, regardless of the type of dye or variable used? Which fabric was the most difficult to dye?
- Suppose you wanted to test the effect of fresh flowers versus dried flowers on the dyeing process. List the variables that would need to be the same for both the control dye bath and the experimental dye bath. What would be the one difference between the two dye baths?