



TESTING WHICH FABRICS DRY FASTEST

Name: _____ Date: _____ Weather: _____

QUESTION

Which fabrics dry the fastest?

MATERIALS

- Small pieces (about 4 in x 4 in) of different fabrics (suggested: cotton, polyester, nylon, denim, fleece, silk)
- Measuring cup
- Water
- Tray or baking sheet
- Timer or clock
- Clothes pins (optional)
- Notepad and pencil
- Outdoor space or drying rack



Cotton



Polyester



Nylon



Denim



Fleece

HYPOTHESIS (PREDICTION)

Write which fabric you think will dry the fastest and why.

EXPERIMENT STEPS

1. Label each fabric piece with its name.
2. Pour 1/4 cup of water into a bowl.
3. Place one fabric piece in the water for 30 seconds.
4. Remove the fabric and gently squeeze out the extra water (do not wring).
5. Lay the fabric flat on a tray or hang it up in the same spot for all fabrics.
6. Start the timer.
7. Check the fabrics every 10 minutes.
Record the time when each fabric is completely dry.
8. Keep all other conditions the same (same place, same time, same airflow).

RESULTS

Record the time (in minutes) for each fabric to become completely dry.

Fabric	10 min	20 min	30 min	40 min	50 min	60 min	Time Dry (minutes)
Cotton							
Polyester							
Nylon							
Denim							
Fleece							
Silk							

ANALYSIS

1. Which fabric dried the fastest? _____
2. Which fabric dried the slowest? _____
3. What patterns do you notice in your results?

4. What might explain why some fabrics dry faster than others?

CONCLUSION

What did you learn from this experiment?

Would you do anything differently next time?

