Testing materials

Grades 3 to 5 · Years 4 to 6

Name _____ Date _____

Test a small piece of each material. Write Y for yes or N for no.

Material	Waterproof?	Bends easily?	See-through?	Magnetic?	Floats?
Kitchen foil					
Paper					
Card					
Cotton fabric					
Plastic bag					
Wood					
Felt					
Bubble wrap					

How we tested

Waterproof: drip water on it over a tray; does it come through? Bends easily: try to fold it.

See-through: can you read a word through it? Magnetic: touch it with a magnet. Floats: drop it in water.

Design challenge: which material would you use for a raincoat? Use your results.

A material's properties are what it is like and what it can do. Choose materials by testing, not guessing.