

## Time Frame

Teacher Preparation 50 minutes Session 1: Conducting Experiments 30–40 minutes Session 2: Discussing Results and Planning Follow-up Experiments 30 minutes Session 3: Conducting Follow-up Experiments 45 minutes Session 4: Which Brand is the Best Buy? 35-45 minutes

## What You Need (for all sessions)

For the class:
☐ 1 bucket of water or access to a sink
☐ 1 large felt-tipped marker
☐ 4 brands of paper towels (1 roll of each)
☐ 12 pounds (5 or 6 kg) of small objects to use
as weights (See Getting Ready on page 4.)
☐ 1 or more calculators
☐ 2 large sheets of butcher paper or a
chalkboard /
For each group of 4 students:

## For ☐ implements for measuring liquid

1 medicine dropper \_\_1 plastic teaspoon \_1 8-oz. measuring cup

(Your students can use these three items to measure small, medium, and large amounts of liquid. If you have access to graduated cylinders, they are preferable, and can replace the spoon and measuring cup.)

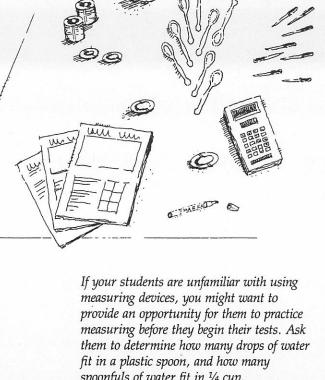
☐ 16–8 oz. cup

☐ 1 foil pie plate ☐ 1 cafeteria tray

☐ 1 large rubber band (can be used to hold paper towel during weight test, as shown on page 10.)

## For each student:

1 copy of each data sheet (masters included
pages 11–13):
"Absorbency Test Results"
"Wet Strength Test Reslts"
"Cost Per Sheet"
1 sheet of scratch paper
1 pencil



spoonfuls of water fit in 1/4 cup.

Some students have requested the use of additional equipment for conducting their experiments, such as: scissors, balances, rulers, embroidery hoops, and masking tape. If you have these or similar equipment available, you may want to provide it on an optional basis.