Learning Objectives: Students learn general rules of why some substances will mix and some won’t.

SNEAK PEAK inside ...

ACTIVITY
Students separate a solution into colored layers.

STUDENT SUPPLIES
see next page for more supplies
isopropyl alcohol
old permanent markers (e.g., Sharpie™)
salt
small glass jars with lids (e.g., baby food jars)

ADVANCE PREPARATION
see next page for more details
Label pop-top squeeze bottles, etc.

OPTIONAL EXTRAS

DEMONSTRATION
Oil and Water (p. A - 69)
Oil and Water and Soap (p. A - 70)

EXTENSIONS
Candy Color (p. A - 77)
Inquiry Opportunity - Test Solubility (p. A - 77)
Measure Layers (p. A - 78)

TIME REQUIRED

Advance Preparation  Set Up  Activity  Clean Up

10 minutes  10 minutes  30 minutes in each of two class sessions  5 minutes