

Be Creative - June 23, 2021

MAKING A LIQUID RAINBOW

SUPPLIES:

$\frac{1}{2}$ cup light corn syrup
 $\frac{1}{2}$ cup blue dish soap
 $\frac{1}{2}$ cup water
 $\frac{1}{2}$ cup olive oil
 $\frac{1}{2}$ cup rubbing alcohol
Funnel (tilt container if you don't have a funnel)



3 containers
spoon

Rainbow Jar (quart jar) Any glass jar will work, you might have to adjust measurements of liquids.
Red, blue and green food coloring

PUT IT TOGETHER:

Container 1 - Pour $\frac{1}{2}$ cup corn syrup into the container.
Stir in 1 drop each of blue and red food coloring (purple).

Rainbow Jar - Pour the purple corn syrup into the jar.
Next, slowly pour $\frac{1}{2}$ cup blue dish soap into the jar.

Container 2 - Pour $\frac{1}{2}$ cup water into the container.
Stir in 2 drops of green food coloring.

Rainbow Jar - Place funnel next to the inside of the jar and very slowly pour the green water along the inside of the jar.
Slowly pour $\frac{1}{2}$ cup olive oil into the jar.

Container 3 - Pour $\frac{1}{2}$ cup rubbing alcohol and 3 drops red food coloring into the container.

Rainbow Jar - Place funnel next to the inside of the jar and very slowly pour in the red rubbing alcohol.

Look at your beautifully layered rainbow in a jar!

HOW IT WORKS

Liquids are made up of very tiny particles. How tightly packed these particles are determines the density. Layering them from heaviest to lightest from the bottom up ensures your rainbow layers stay separated. Try new ways of mixing and record your results. What happens if you mix your rainbow?

HAVE FUN!