

WALKING WATER RAINBOW EXPERIMENT!

Get ready for a demonstration of Capillary Action that is sure to amaze! In this experiment, water is able to defy gravity and walk from one glass to another using a combination of Cohesion and Adhesion.



MATERIALS

- 7 GLASSES OR CUPS
- WATER
- FOOD COLOURING
- PAPER TOWEL

PROCEDURE

1. LINE UP THE 7 GLASSES CLOSE TO EACH OTHER.
2. FILL THE 1ST, 3RD, 5TH, AND 7TH GLASSES WITH WATER, RIGHT TO THE TOP.
3. ADD 10 DROPS OF RED FOOD COLOURING TO THE 1ST AND 7TH GLASS.
4. ADD 10 DROPS OF YELLOW FOOD COLOURING TO THE 3RD GLASS.
5. ADD 10 DROPS OF BLUE FOOD COLOURING TO THE 5TH GLASS.
6. FOLD YOUR HALF SHEET OF PAPER TOWEL INTO A STRIP ON ONE END. FOLD IT OVER 2 MORE TIMES AND TEAR THAT PIECE OFF. REPEAT THIS UNTIL YOU HAVE 6 TOTAL FOLDED STRIPS OF PAPER TOWEL.
7. TAKE YOUR FIRST STRIP OF PAPER TOWEL, PUT ONE END IN THE 1ST GLASS AND THE OTHER END IN THE 2ND EMPTY GLASS. REPEAT THIS, CHAINING ALL OF THE GLASSES TOGETHER.
8. WATCH AS CAPILLARY ACTION WALKS WATER FROM THE FULL GLASSES INTO THE EMPTY GLASSES, BRINGING THE COLOURING WITH IT AND BLENDING THEM TO MAKE A RAINBOW!

THIS EXPERIMENT IS GREAT FOR BEGINNER EXPLORERS AND USES HOUSEHOLD ITEMS.

