

# THAUMATROPE

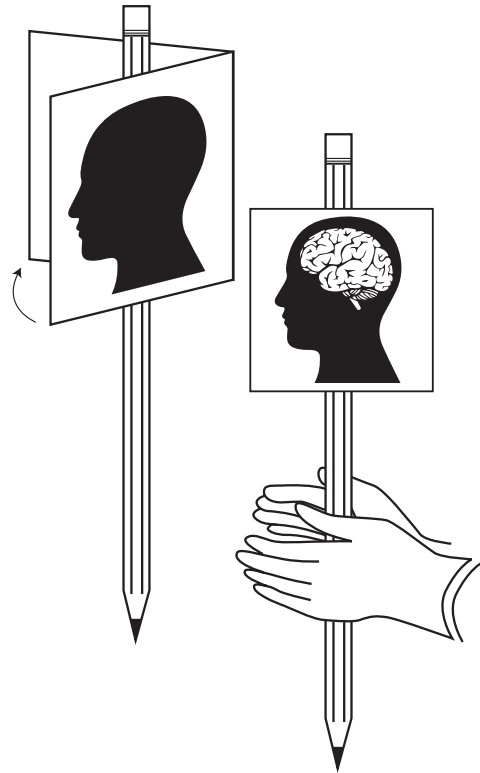
A Thaumatrope (THAW-ma-trope) is a device that creates the illusion of two pictures becoming one.

## SUPPLIES:

- The pictures on the second page
- Scissors
- Tape
- Crayons
- A pencil

## WHAT TO DO:

1. Cut out and color the picture.
2. Fold on the dotted line.
3. Tape it to the pencil as shown.
4. Spin the pencil back and forth between your hands.
5. Try spinning it slow, then fast.
6. What happens?



## WHAT'S GOING ON:

When you spin the pencil slowly, you will see each image one after the other. If you flash the two images fast enough, you no longer perceive them as two separate pictures but instead perceive the two on top of each other.

The area of your brain that controls vision is the occipital lobe; it's the bump on the back of your head. The illusion is created because if images are presented to your eyes quickly enough your brain cannot process the individual images fast enough, so it combines them into one.



FOLD

