

THAUMATROPE TEMPLATES

BY
ALACARTE PUBLISHERS



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Thaumatrope

Thaumatrope is a classical optical illusion toy that was invented by the English physician J.A. Paris in 1826. Thaumatrope is a card with different images on opposite sides, that appear as a combined single image when the card is twirled rapidly. Wondering how this happens? This optical effect is due to persistence of vision. Our brain retains the first image long enough to superimpose it on the other, making the two images appear together. Animated films use this quirk of visual perception to create motion pictures from a rapid-fire series of still images.

Make your own thaumatrope and experience the fun! This sample provides you templates to create two Thaumatropes.

Instructions:

(For video instructions, visit <https://bit.ly/alacarteinstructionalvideos>)

You will need a 10” long string to do this project.

Step 1: Color the images Picture template A and Picture template B.

Step 2: Cut out the circular template pieces.

Step 3: Align the string along the horizontal dotted line on the back side of Template A and secure it with a tape.

Step 4: Glue the two circular templates. Note that one picture should be placed upside down for you to see the correct image, when it spins.

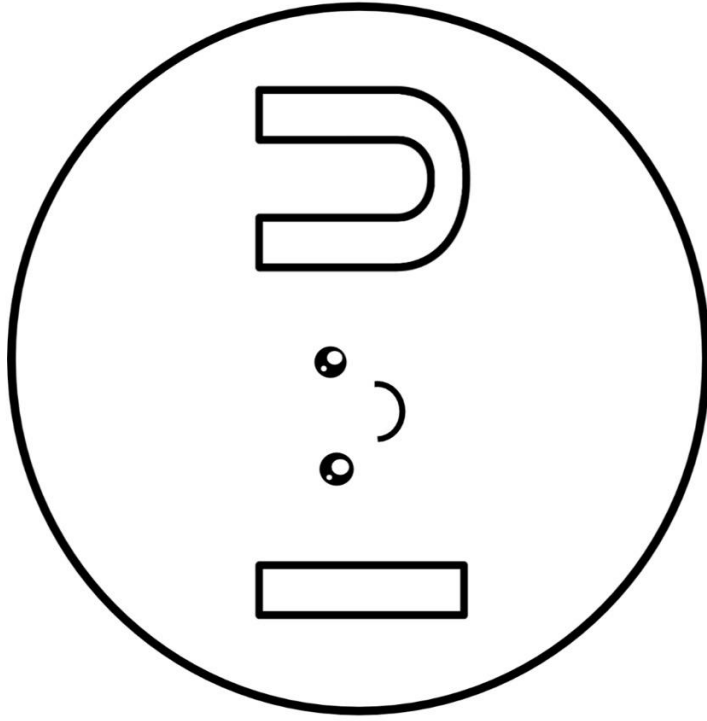
To make this easy, we have provided a vertical line on the back side of each template. You will see numbers 1 and 2 on the either ends of the vertical lines. While gluing make sure that the same numbers on the back side of the templates line up with each other.

Your thaumatrope is ready. Allow the glue to dry.

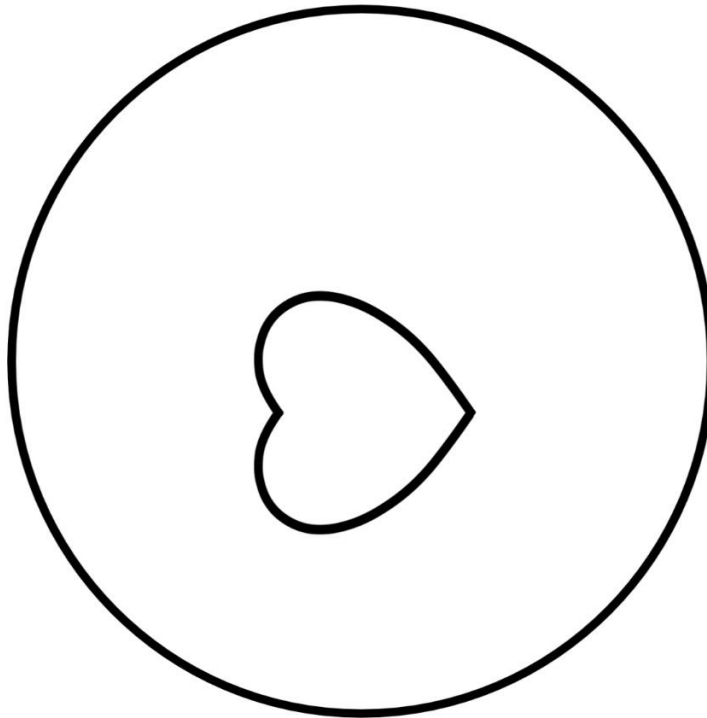
Step 5: Spin the disk by twirling the strings between the thumb and index finger of each hand. Hold it out at eye level, watch the magic unfold! As it starts spinning circles, you will see the two images combine into one.

Thaumatrope Template 1

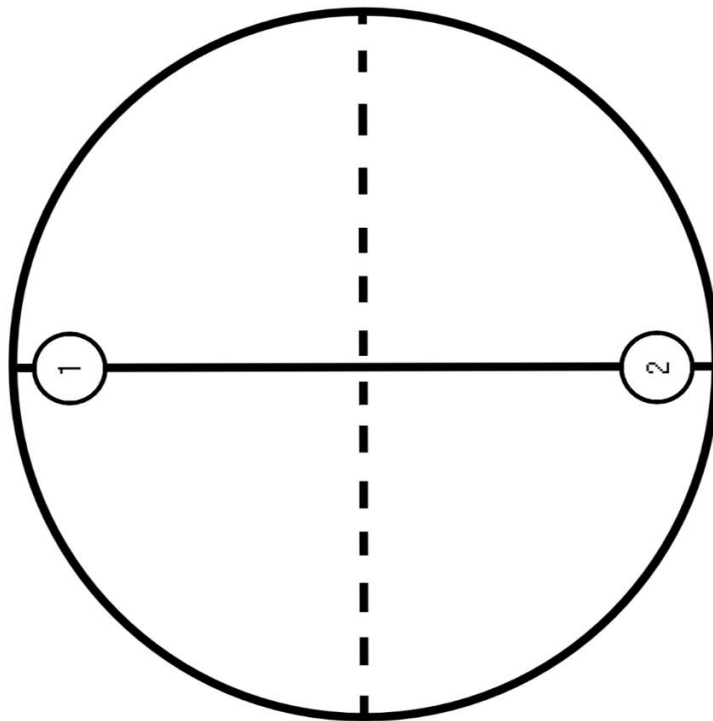
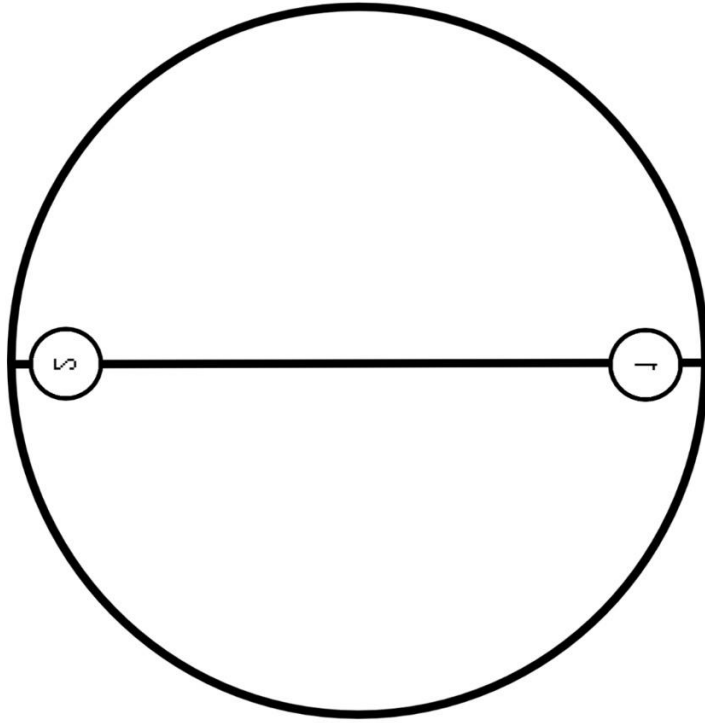
Template B



Template A

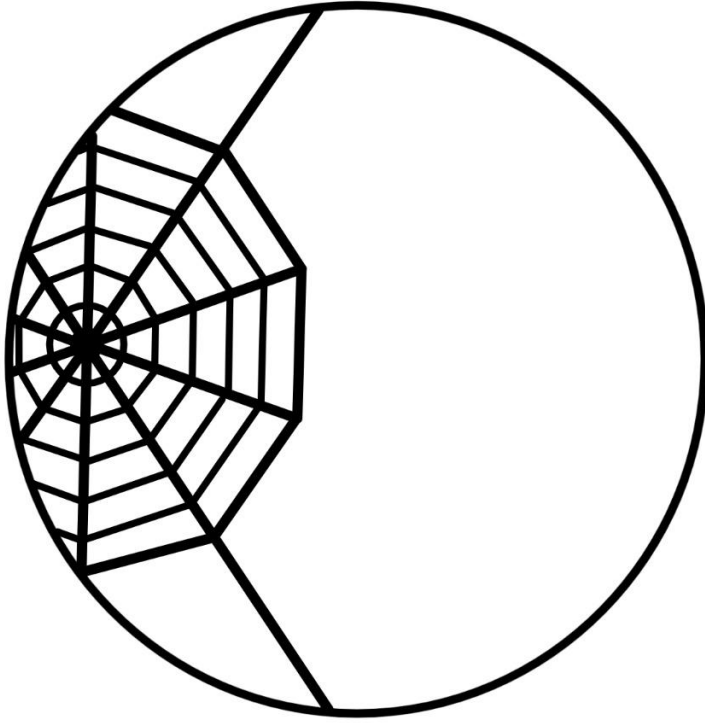


Thaumatrope Template 1

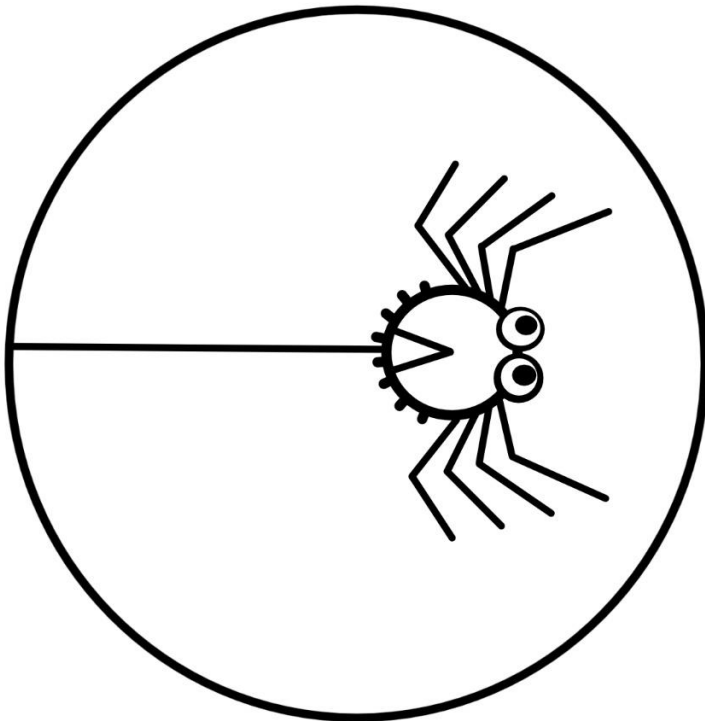


Thaumatrope Template 2

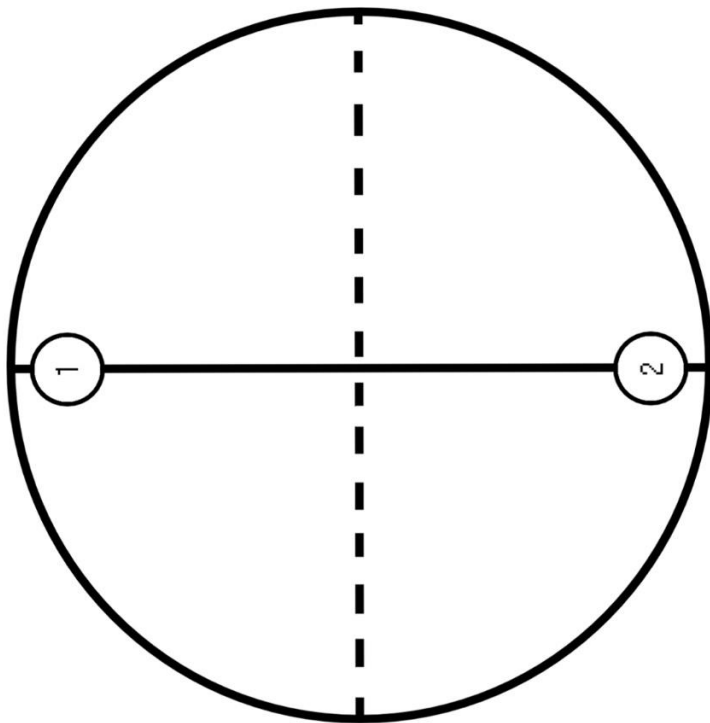
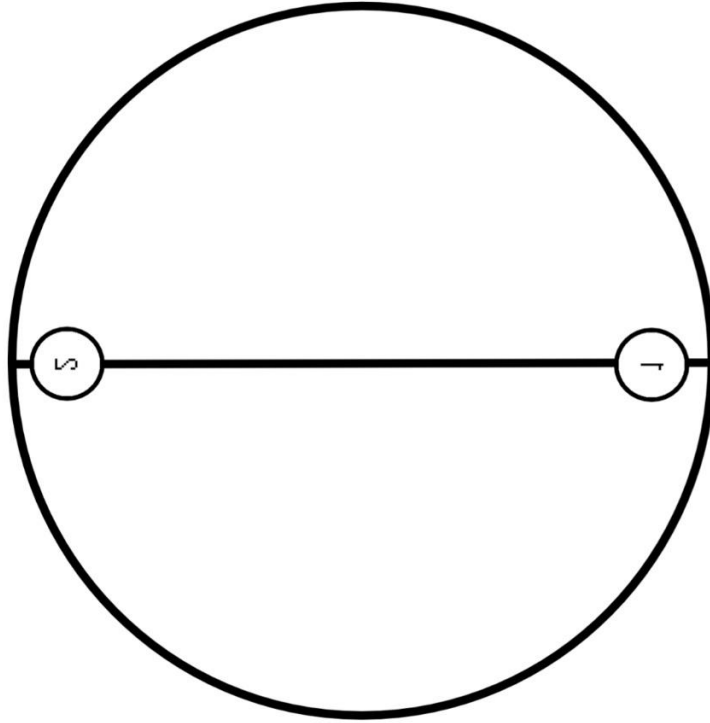
Template B



Template A

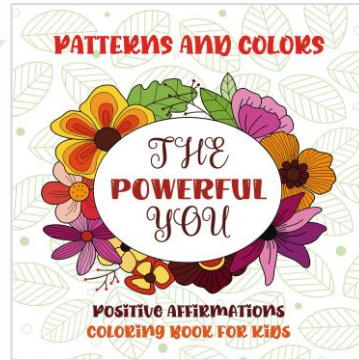


Thaumatrope Template 2

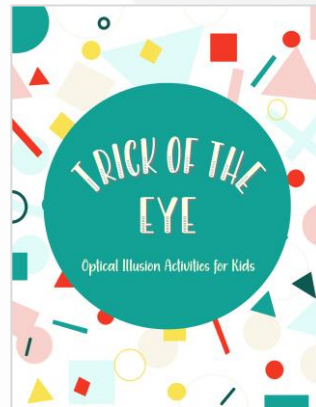
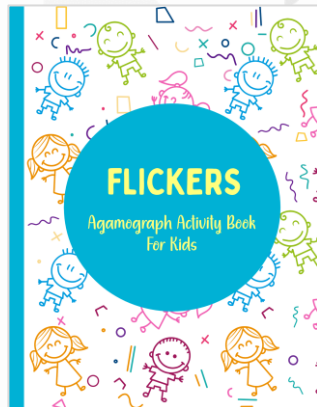


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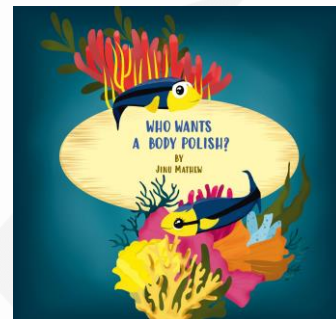
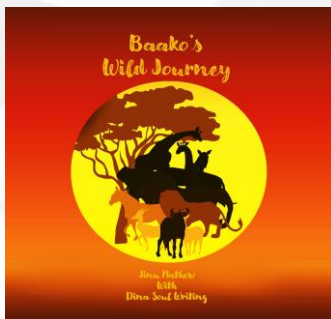
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