

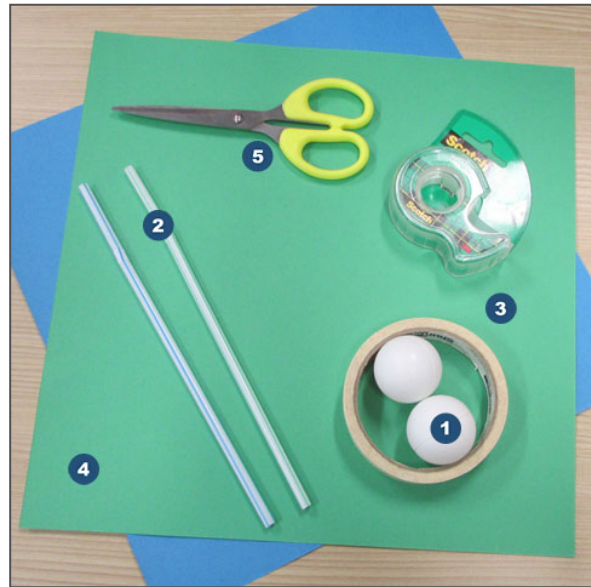
## FLOATING ORB

About 60 years before Mary Shelley was born, a Swiss mathematician named Daniel Bernoulli discovered a principle that explains why planes can fly, among other things. Make this simple gadget to see this principle in action.

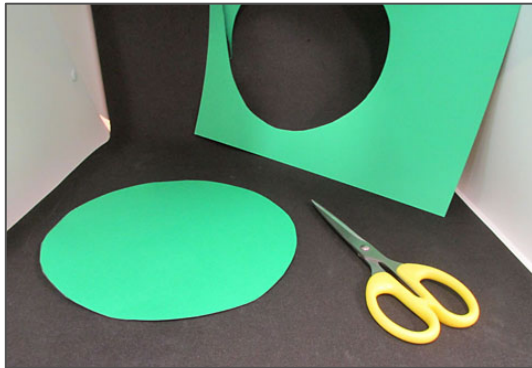
### MATERIALS

Collect these materials:

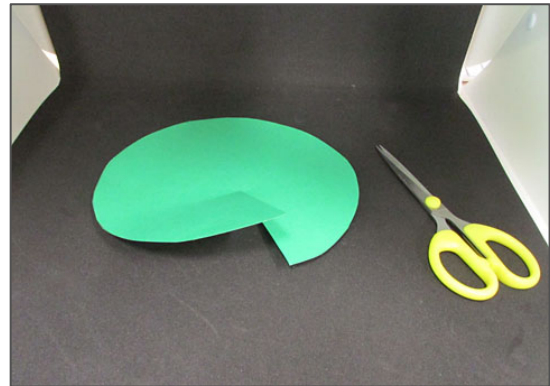
1. a ping pong ball
2. a flexible "bendy" straw
3. tape (masking tape or cellophane tape will work)
4. a large piece of stiff construction paper
5. scissors



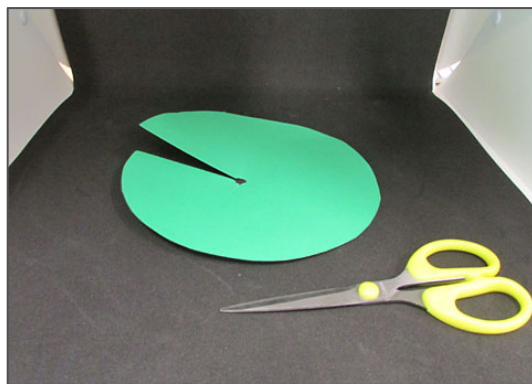
### RECIPE



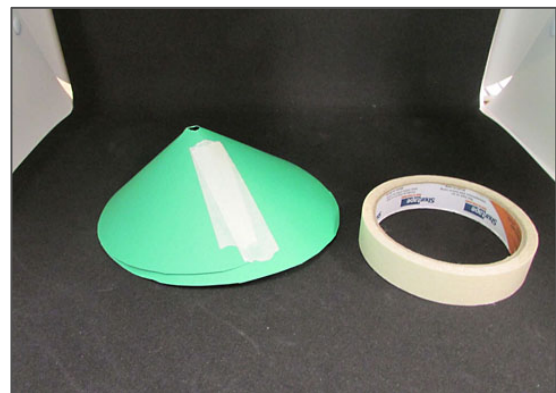
1. Cut a large circle out of the construction paper.



2. Make a cut in the circle, in a straight line from the outside of the circle to the center.

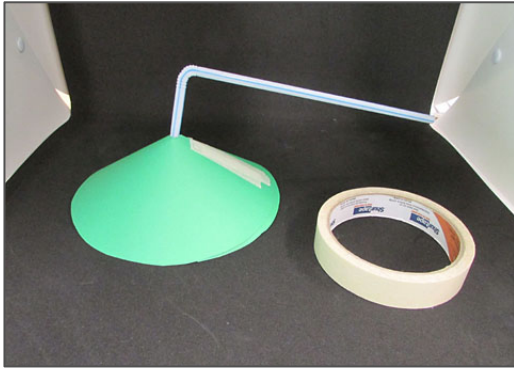


3. Carefully make a hole in the center of the circle, a bit larger than the thickness of your straw.

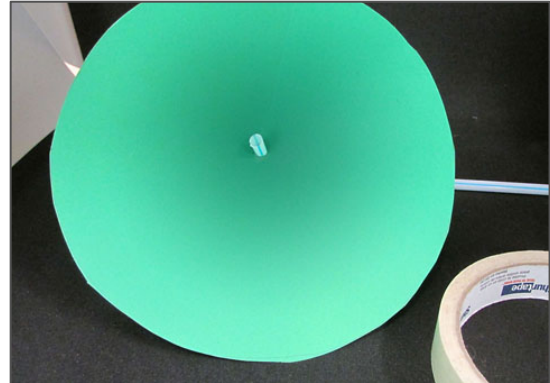


4. Form a cone with the circle, leaving an open hole in the center for the straw to fit through, and then secure it with tape.

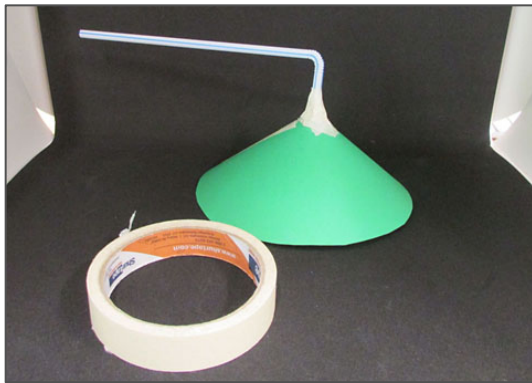
Frankenstein200 puts players in the middle of the action in a story where Mary Shelley's classic tale collides with modern science. Learn more, and see more hands-on activities like this one at [WWW.FRANKENSTEIN200.ORG](http://WWW.FRANKENSTEIN200.ORG)



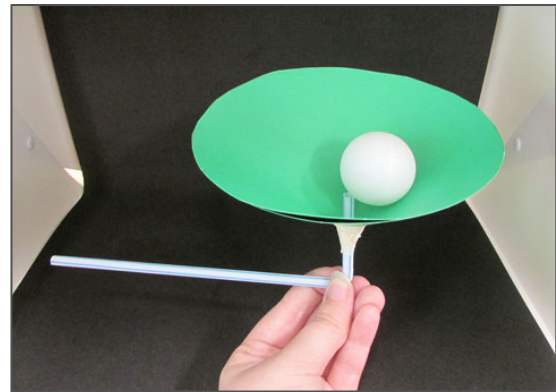
5. Bend the straw at a right angle, and insert the shorter end into the bottom of the cone...



6. ...so that about 1/2 inch of it sticks up into the interior of the cone.



7. Secure the straw with tape on the outside of the cone.



8. Place the ping pong ball inside the cone. Blow into the long end of the straw...and see what happens!

**Did you make a floating orb? Share it with us, and see what others have made at [WWW.FRANKENSTEIN200.ORG](http://WWW.FRANKENSTEIN200.ORG)**



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