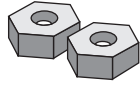


# FREE FALL

## YOU NEED



Steel Nuts



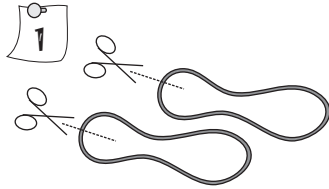
Rubber Band



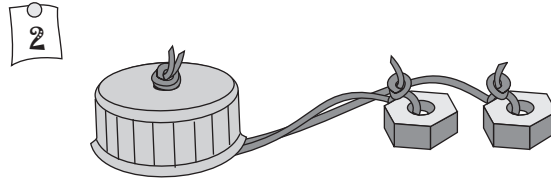
Half Bottle with hole in lid



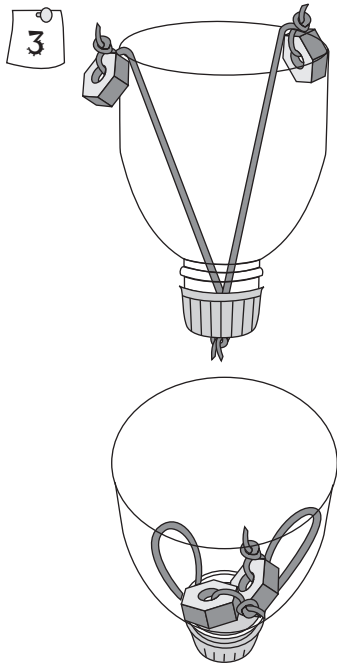
Scissors



Cut two rubber bands.



Tie cycle nuts to one end of the rubber bands. Tie their other ends to a bottle lid.



Place the nuts as shown and drop the half bottle from a height. Ask a friend to catch it. She will be surprised to find the nuts inside the bottle. This is because the assembly become "weightless" when in free fall and then the tension in the rubber bands pulls the nuts inside the bottle.