

## Gravity Machine

**Purpose:** Will objects fall at the same speed regardless of density if all other factors are equal?

**Materials:** book and paper (just slightly smaller than the book)



**Procedure:** Drop the book and paper separately. Which will hit the ground first?

Can you make them hit together? Paper under book. Paper inside book. Both seem to be cheating. Place paper on top of book and drop. They will fall together. Crumble the paper into a tight ball. They will also fall together.