

Activity: Designing An Experiment

Problem: Which will fall fastest, a crumpled piece of paper, A piece of paper folded in fourths, or a flat piece of paper?

Hypothesis: A crumpled piece of paper will fall the fastest, followed by the folded piece, then the unfolded piece.

Experiment:

Materials: Three sheets of paper

Procedure:

- 1) Crumple one sheet of paper into a ball, the size of a golf ball.
- 2) Fold a second sheet of paper in half, hot dog style. Then, fold it in half once more, hamburger style.
- 3) Leave a third sheet of paper flat.
- 4) Hold all three pieces of paper at the same height from the floor.
- 5) At the same time, release the three pieces of paper.
- 6) Record the order in which they hit the floor.
- 7) Repeat steps 4-6, four more times.