

Name: _____

Date: _____

GRAVITY

Purpose

The purpose of this experiment is to explore gravitational force. You will determine how fast gravity will make different objects fall.

Equipment

- 1 basketball, 1 utility ball, and 1 tennis ball
- 1 worksheet

Procedure

- Hypothesize about which ball will fall the fastest when dropped from the same distance.
- Your teacher will drop the balls from a height so you can compare.
- Record your observations.

Hypothesis

I think the speed with which the balls fall will be in this order:

Fastest ←————→ Slowest

Observations

After observation I have found that the speed with which the balls fall is as follows:

MUSCULAR FORCE

Purpose

The purpose of this experiment is to explore muscular force. You will determine how fast far you can make an object travel.

Equipment

- 1 basketball, 1 utility ball, and 1 tennis ball
- 1 worksheet
- 1 tape measure
- 1 hula-hoop

Procedure

- Hypothesize about which ball will go the furthest distance when thrown.
- Stand in the hula-hoop and throw one ball at a time.
- Measure the distance from the hula-hoop to where the ball first touched the ground.

Hypothesis

I think the distance the balls will travel will be in this order:

Furthest ←————→ Shortest

Observations

After observation I have found that the distance the balls travel is as follows: