

How things fall Lab

Purpose: To see how different object fall

Background information:

What is gravity?

What is a good observation from a bad observation?

Hypothesis:

Write a hypothesis on to how different things fall to Earth

Procedure:

1. Copy down the data table below
2. Drop each object and record how long each objects takes to fall from the same height (you can choose but make sure it's the same distance from the floor for each trial)
3. Record your time in the data table
4. Drop the object a second time and make some observations as to how that object falls compares to each other

Object	Time	Observation
Dice		
Folder		
Glue Stick		
Marker		
Note Card		
Pencil		
Plastic Cup		
Plastic Formula Bottle		
Plastic Spoon		
Popsicle Stick		
Racket Ball		
Ruler		
Science Book		
Tennis Ball		
Test Tube Holder		
Tissue Paper		

Analyzing the Data

1. Did all objects fall in the same amount of time?
2. What caused objects to fall at different rates (time) in your opinion?
3. How do you think different shapes effect the way something falls?
4. How do different weights effect how things fall?
5. If there were no wind resistance on Earth how would that effect how things fall (you may need to Google this answer!)