

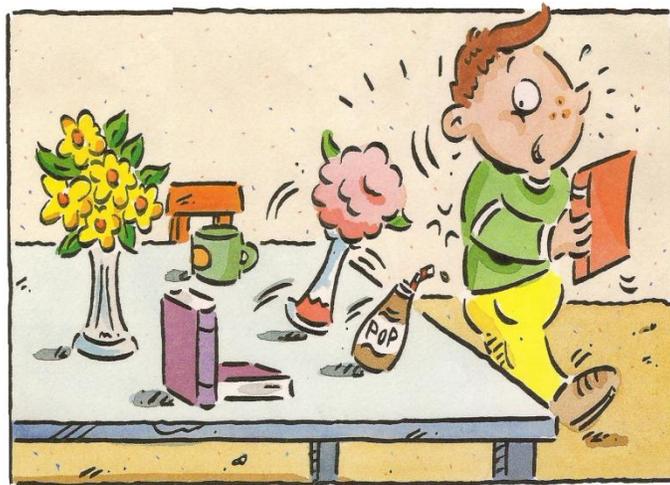
Name: _____

Date: _____

STABILITY

If an object is stable, that means that it will stand firm, it will not fall over. There are many factors that affect stability. In this investigation you will test the stability of objects of different heights.

Which objects in the picture below are stable? Which are not stable?

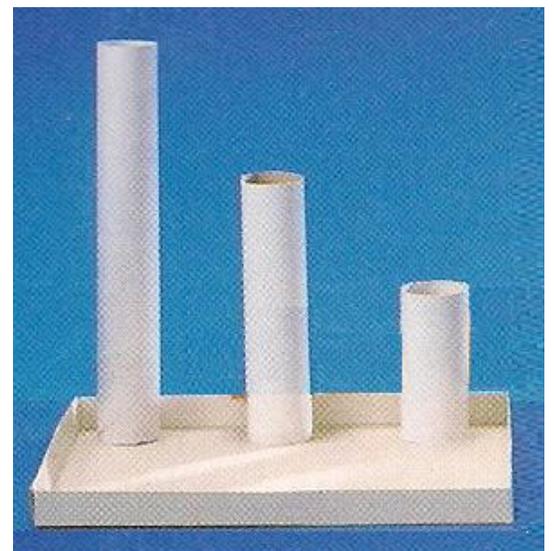


Equipment:

- Tray
- 3 different cardboard tubes

Procedure:

1. Read the entire procedure, then write your hypothesis (on the back of the page).
2. Stand all three tubes up in the tray.
 - They should be in a line.
 - They should not be touching.
 - They should be near an edge of the tray.
3. Slowly lift the tray, from the edge closest to the tubes, so that it starts to tilt.
4. Record the order in which the tubes fall over.
5. Record your results.
6. Repeat the process two more times.



Hypothesis:

Observations:

Trial Number	When did it fall?			Other Observations
	Short	Medium	Tall	
1				
2				
3				

Discussion:

1. Which tube fell over first?

Tall

2. Which tube fell over second?

Medium

3. Which tube fell over last?

Short

4. Based on your results, what have you learned about stability?

Tall objects are not as stable as short objects. This is proven because the tall tube fell over first, and the short tube fell over last.
