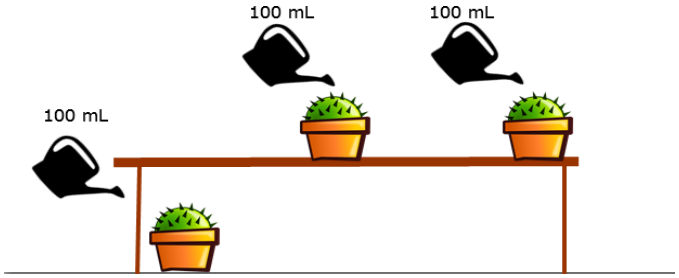
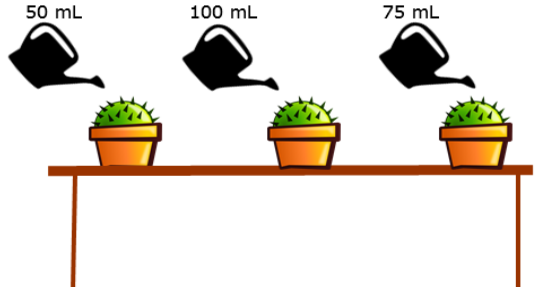
What is wrong with this experiment?

- Each plant should get the same amount of water
- Each plant should be the same type of plant
- Each plant should be in the same location
- Each plant should be green



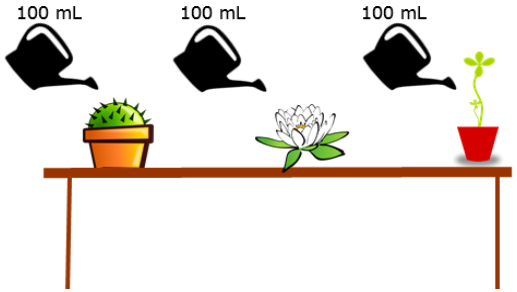
What is wrong with this experiment?

- Each plant should get the same amount of water
- Each plant should be the same type of plant
- Each plant should be in the same location
- Each plant should be green

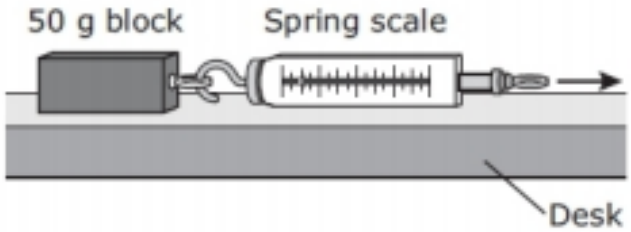


What is wrong with this experiment?

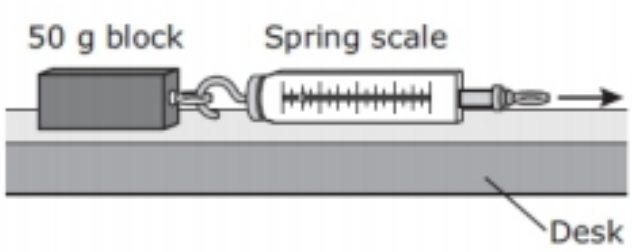
- Each plant should get the same amount of water
- Each plant should be the same type of plant
- Each plant should be in the same location
- Each plant should be green



Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?



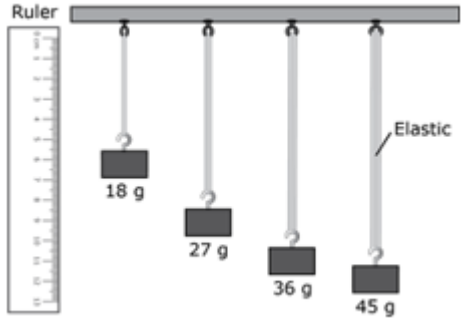
Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?



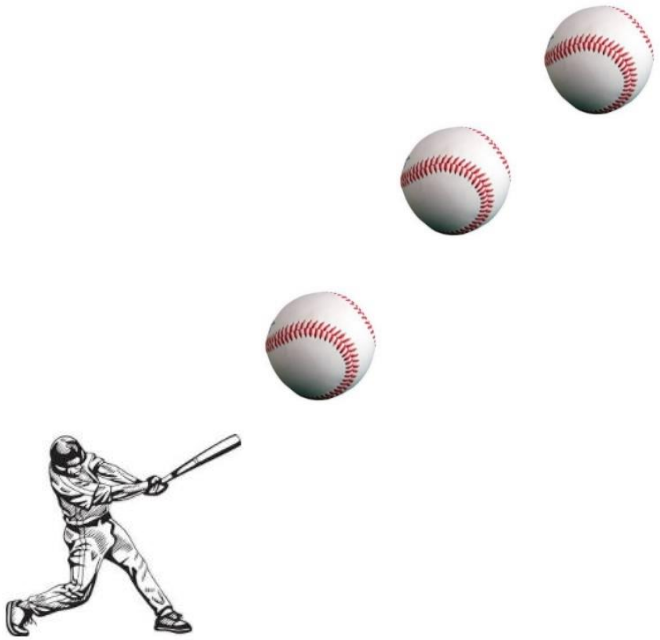
Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?

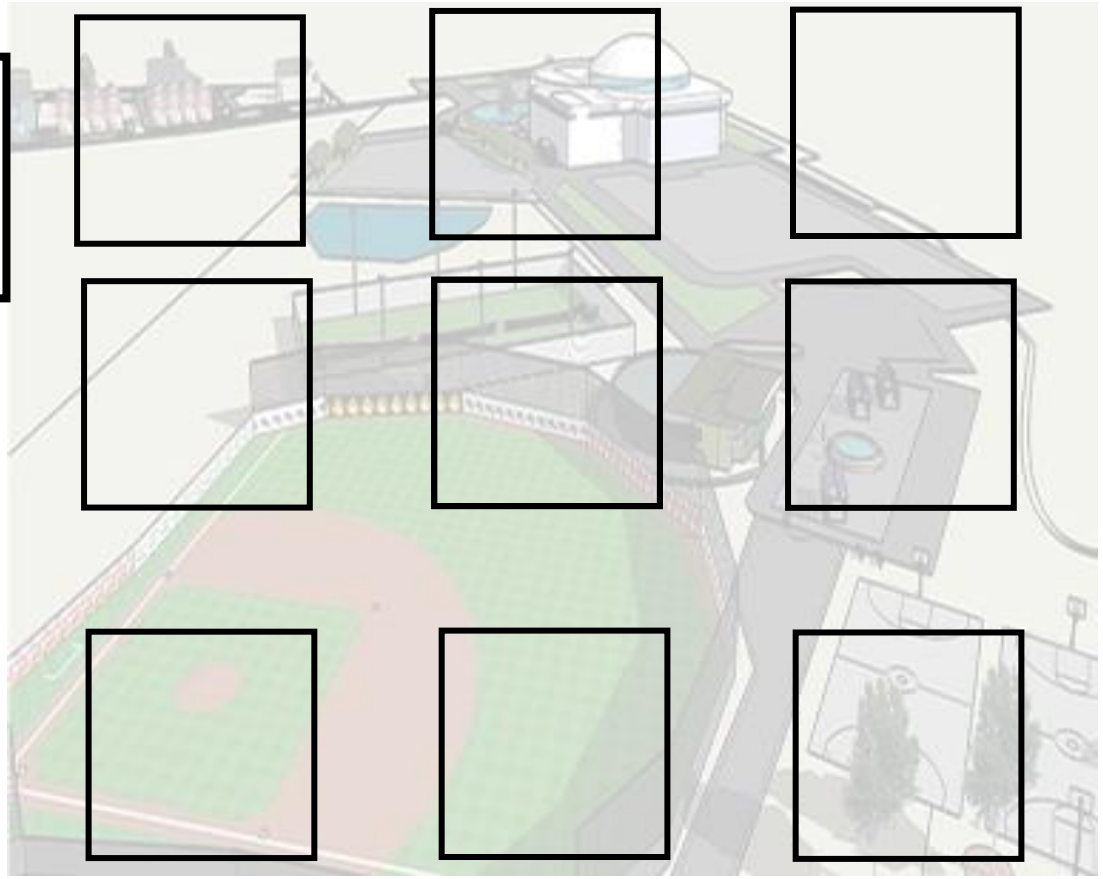
Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?

Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?



Use your knowledge of forces to explain what is going to happen to the baseball the batter just hit. How did the batter use forces? Draw pictures showing how the baseball will travel. Explain your answer below.



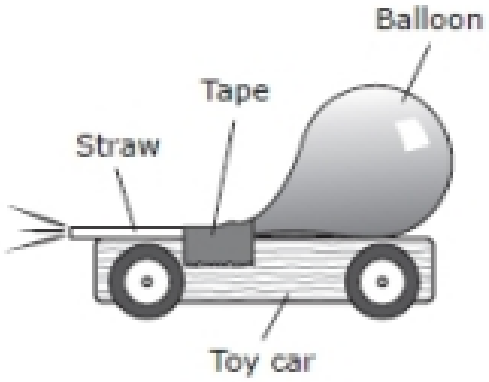


_____

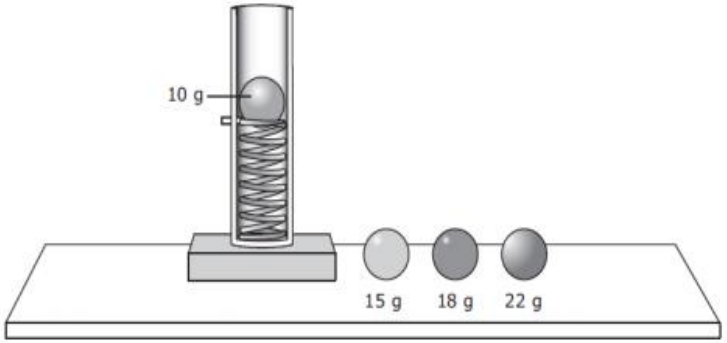
_____

_____

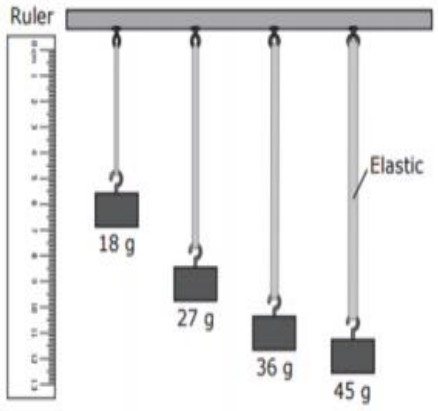
Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?



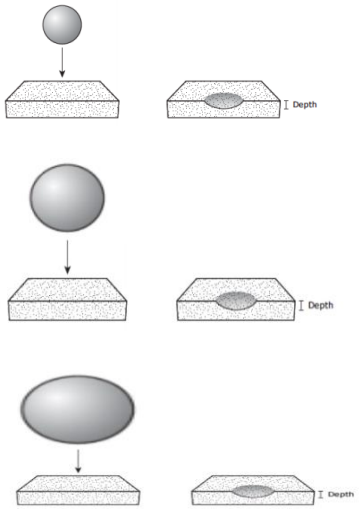
Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?



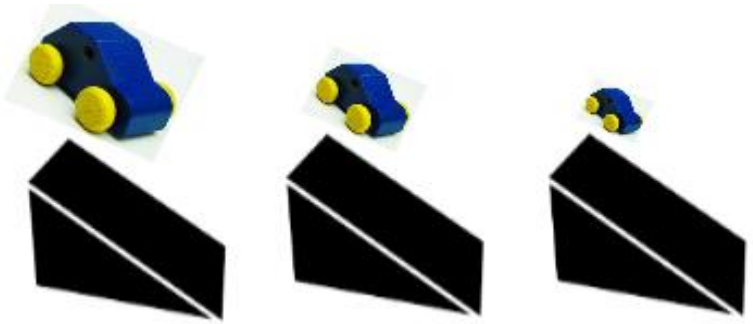
Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?



Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?

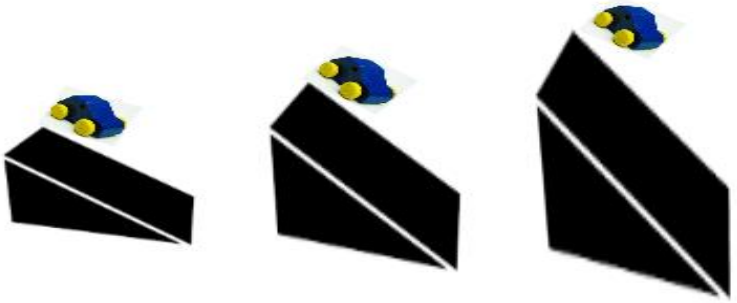


A variable is something that can change in an investigation. Some variables are controlled so that they do not change. Often we will change one variable to see how it will affect the outcome. Look at the picture below and see if you can identify the one variable that was changed.

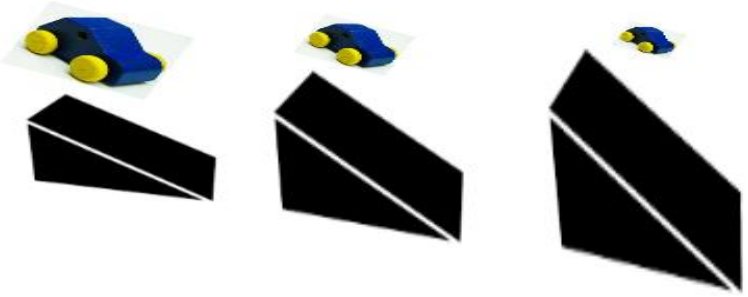


A variable is something that can change in an investigation. Some variables are controlled so that they do not change. Often we will change one variable to see how it will affect the outcome. Look at the picture below and see if you can identify the variable that was changed.

A variable is something that can change in an investigation. Some variables are controlled so that they do not change. Often we will change one variable to see how it will affect the outcome. Look at the picture below and see if you can identify the variable that was changed.



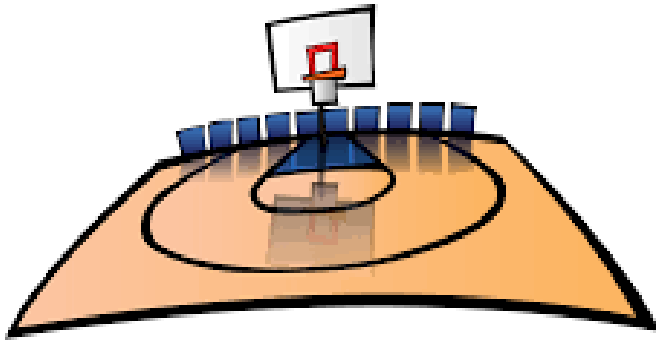
A variable is something that can change in an investigation. Some variables are controlled so that they do not change. Often we will change one variable to see how it will affect the outcome. Only one variable can be changed during an investigation. Can you identify what is wrong with the investigation below.



We are playing basketball and we found that basketball is full of forces. Draw a picture that explains how forces are used on a basketball court.

PUSH

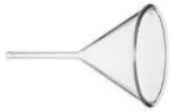
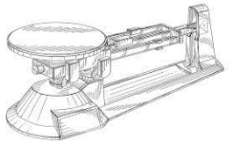
MAGNETISM



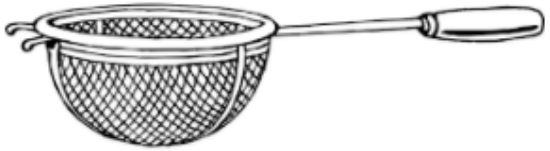
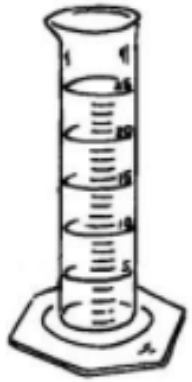
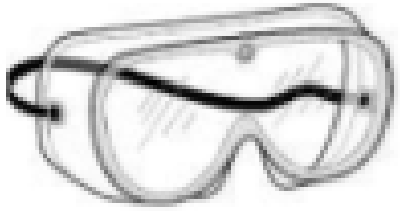
PULL

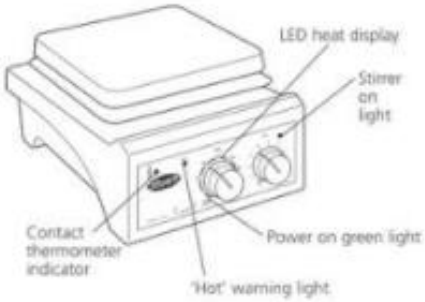
GRAVITY

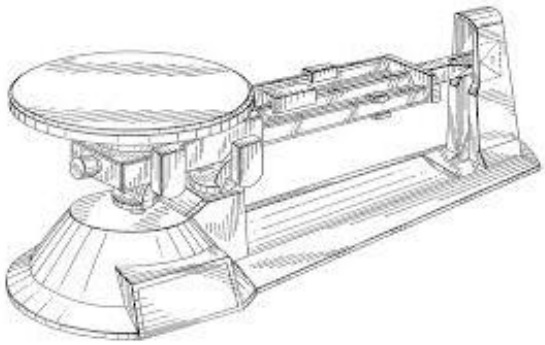
FRICTION

Sieve-a tool used to separate small objects from larger sized ones.	Graduated Cylinder- a long cylinder shaped tool used to measure liquids.	Filter- a tool used to separate objects.	Goggles- a safety tool used to protect the eyes.	Beaker-a lipped cylindrical glass container for laboratory use.
Oven Mitts- a safety tool used to protect your hand against hot objects.	Hot Plate- a tool used to heat objects.	Hand Lens- a tool that magnifies smaller object to make them look larger.	Triple Beam Balance- a tool used to measure the mass of objects.	Ruler- a tool used to measure the length of objects in cm or in.
Meter Tape- a cloth-measuring tool used to measure length.	Microscope- a tool used to see microscopic objects.	 Matching game		
				
				

Tools leaning cards

Sieve 	Graduated Cylinder 
Filter 	Goggles 

Beaker 	Protective Oven Mitts 
Hot Plate 	Hand Lens 

Triple Beam Balance 	Microscope 
Cloth measuring Tape 	Ruler 

Draw each step of your investigation. Be sure to label each tool that you used.

1	2	3
4	5	6
7	8	9

Title

Testable Question

Data (5-10 trials)

Charts and Graphs

Procedures

(Steps, equipment, tools)

Hypothesis

Variables

Materials

Independent-

Conclusion

(Claim, evidence, reasoning)

Dependent-