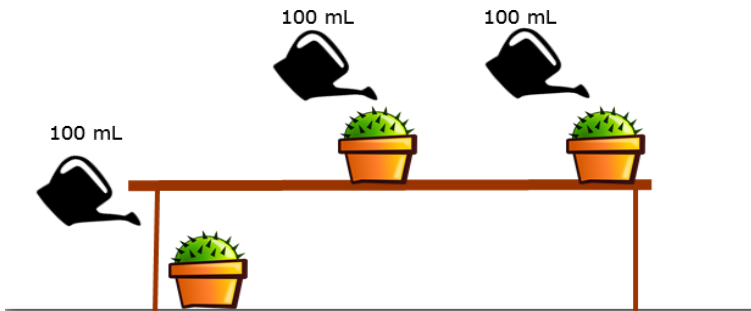


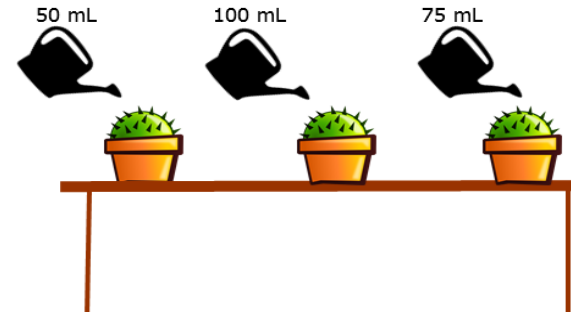
What is wrong with this experiment?

- 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



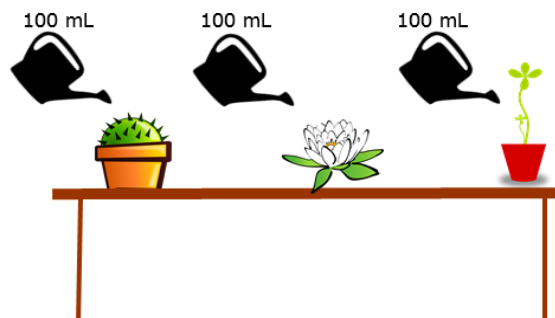
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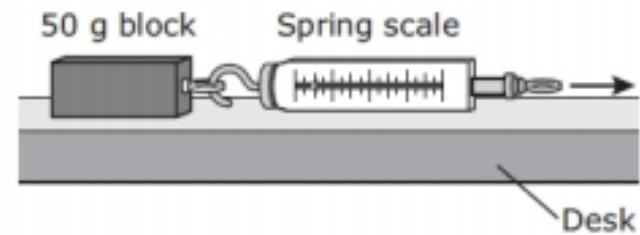


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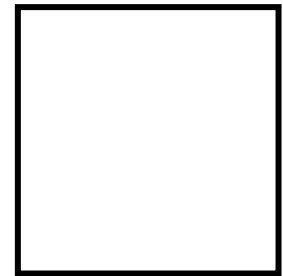
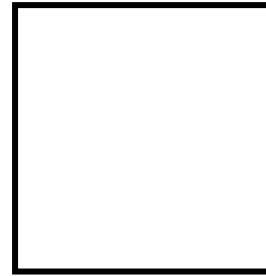
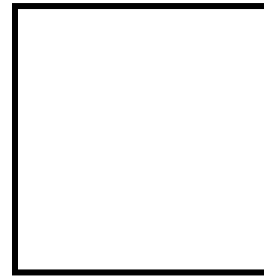
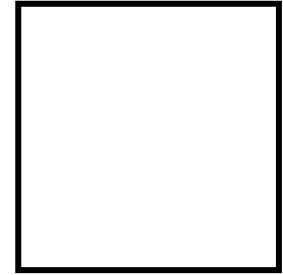
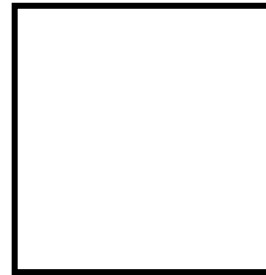
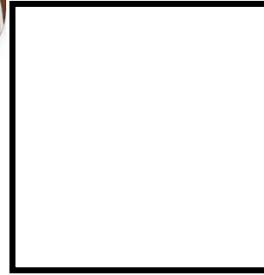
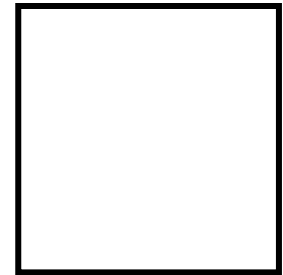
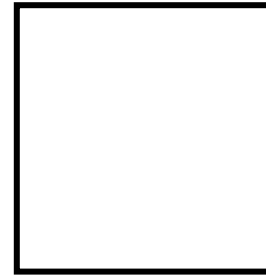
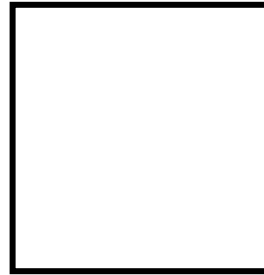
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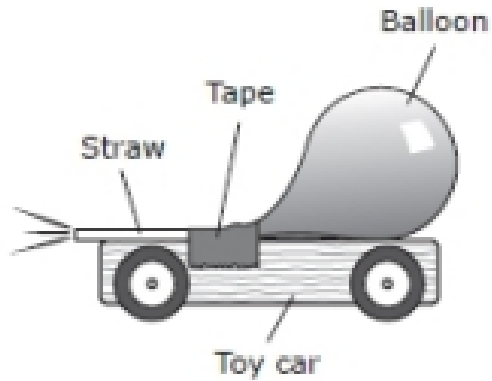
Analyze the picture and see if you can determine what the investigation might be testing. What forces are involved?



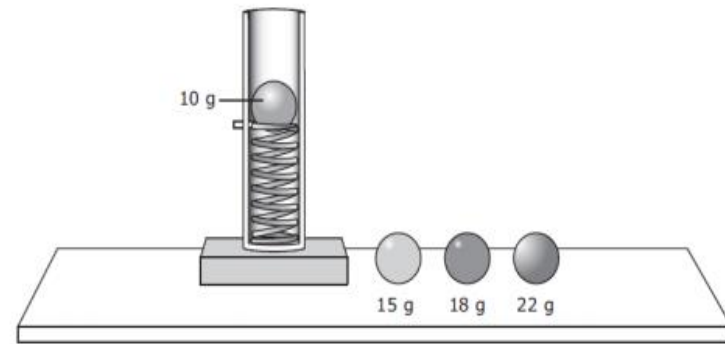
Use your knowledge of forces to explain what is going to happen to the football that the quarterback just threw. How did the quarterback use forces? Draw pictures showing how the football will travel.



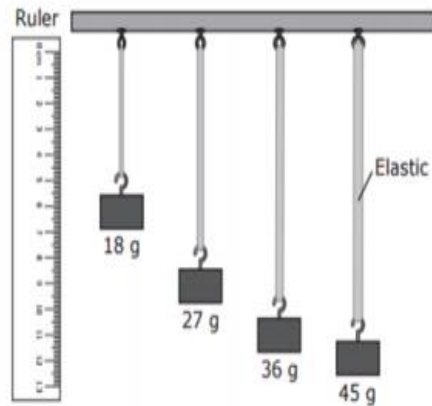
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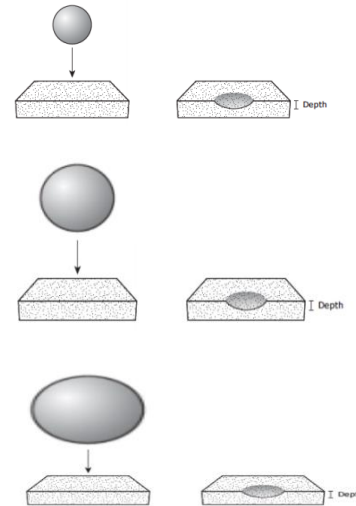
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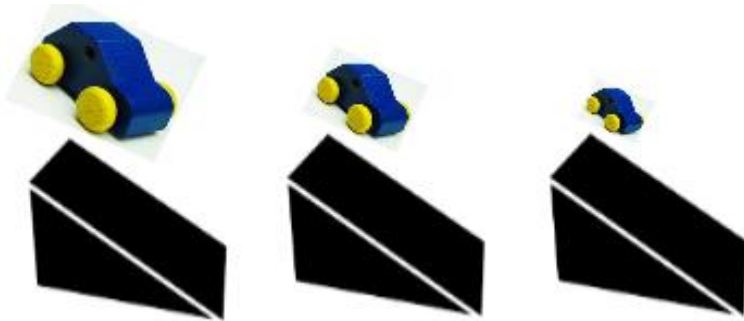
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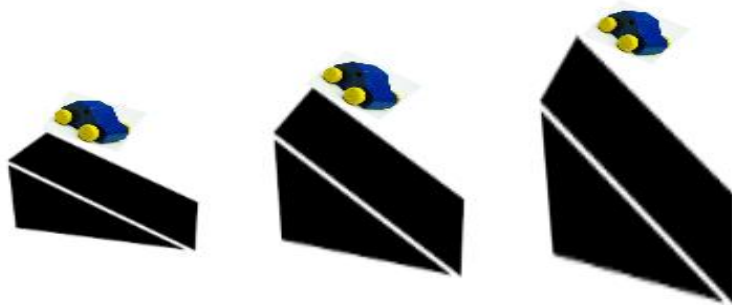
A variable is something that can change in an investigation. Some variables are controlled so that they do not change. Often we will change one variable to see how it will affect the outcome. Look at the picture below and see if you can identify the change variable.



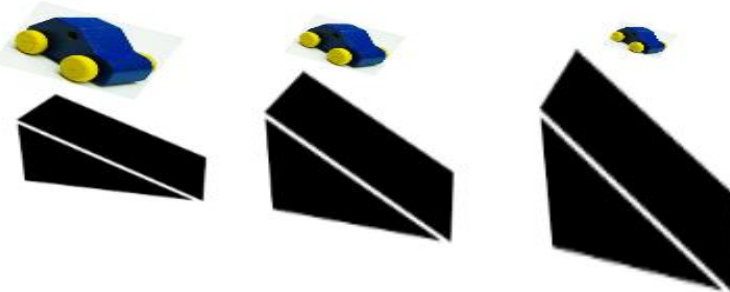
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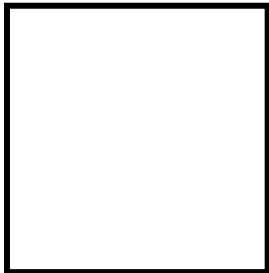


A variable is something that can change in an investigation. Some variables are controlled so that they do not change. Often we will change one variable to see how it will affect the outcome. Only one variable can be changed during an investigation. Can you identify what is wrong with the investigation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

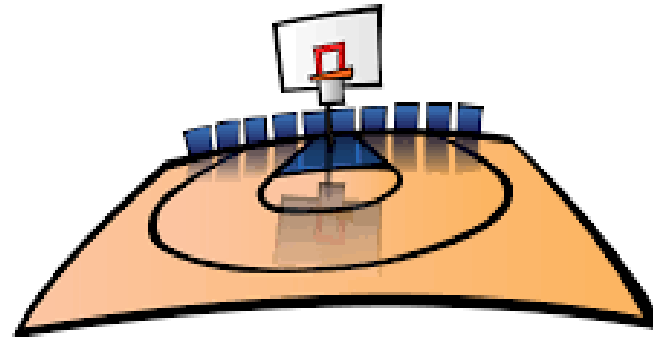
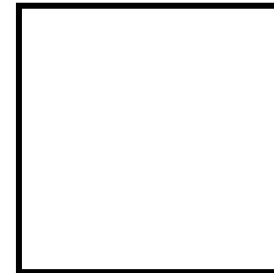


We're playing basketball! Basketball is full of forces. Draw a picture that explains how the five forces are used on a basketball court.

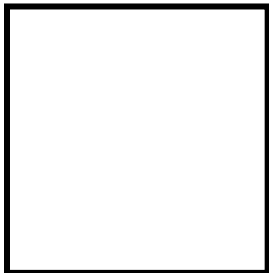
PUSH



MAGNETISM



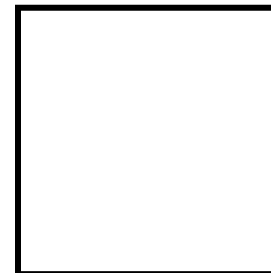
PULL



GRAVITY

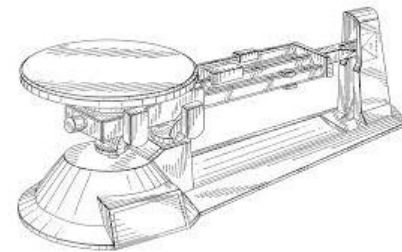


FRICTION





Design an experiment that tests the effect of force on an object.



Draw out, or cut and paste each step of your investigation.

1	2	3
4	5	6
7	8	9

Testable Question



Title

Data (5-10 trials)

Charts and Graphs



Procedures

(Steps, equipment, tools)

Hypothesis

Variables

Independent-

Dependent-

Control-

Materials

Conclusion

(Claim, evidence, reasoning)