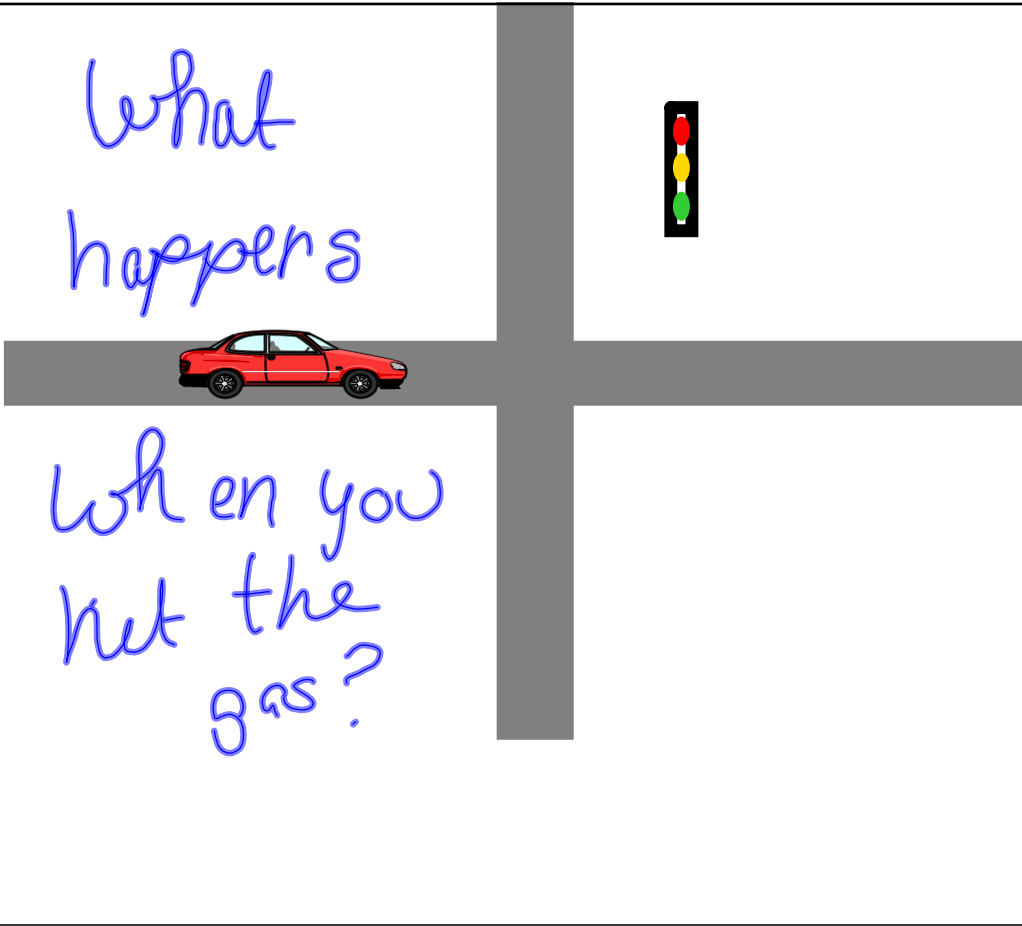



What happens



When you hit the gas?

Nov 15-2:40 PM

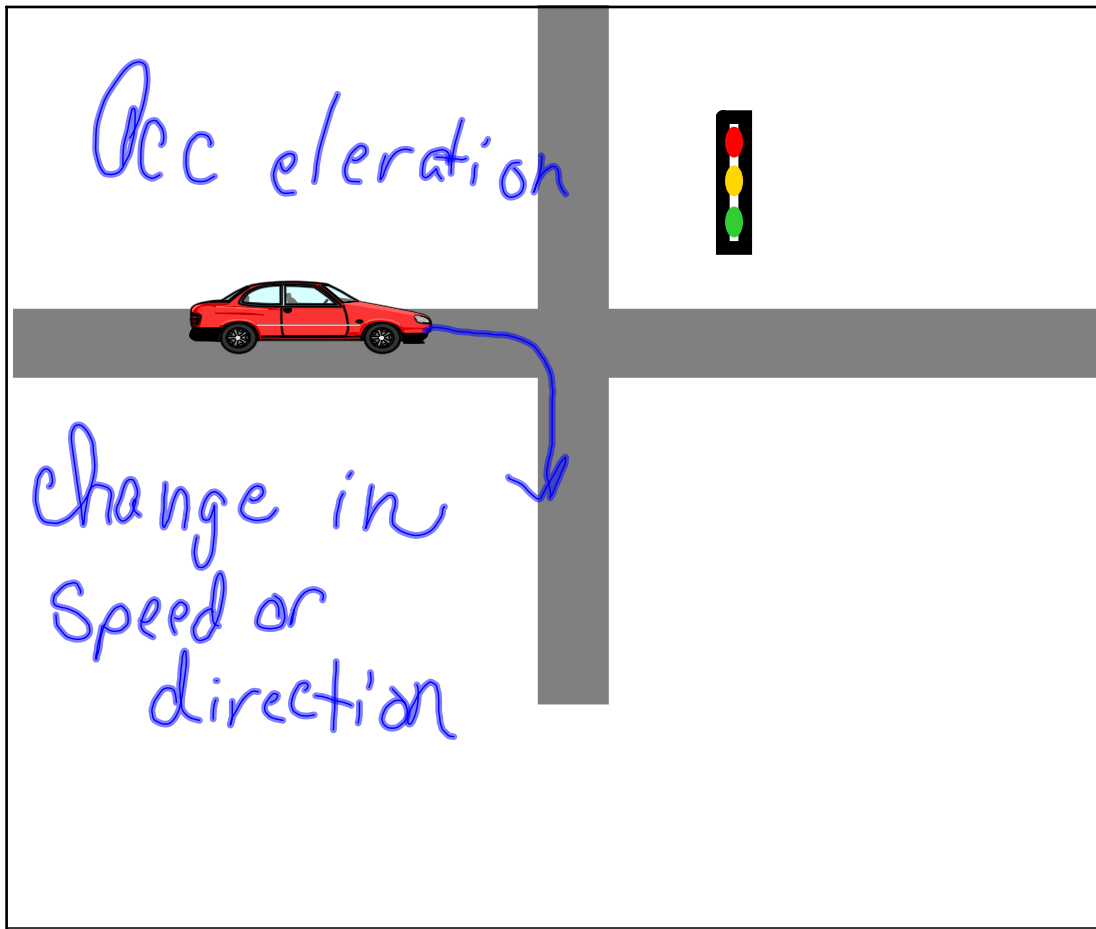
The image shows a hand-drawn diagram of a road intersection. A red car is positioned on the left side of the horizontal road, facing right. A vertical road crosses the horizontal one in the center. In the top-right quadrant of the intersection, there is a traffic light with three lights: red, yellow, and green. The text 'What happens' is written in blue cursive in the top-left quadrant, and 'When you hit the gas?' is written in blue cursive in the bottom-left quadrant. A timestamp 'Nov 15-2:40 PM' is located at the bottom center of the diagram.



Velocity - how fast you are going in a given direction  
ex 30 mph East

Velocity

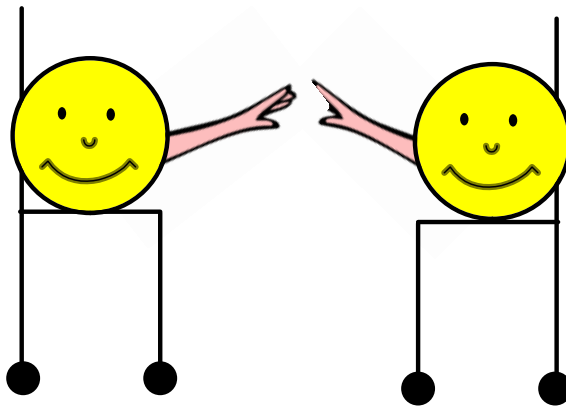
The image contains a hand-drawn yellow pocket watch with a white face and black hands, positioned at the top center. Below the watch, the word 'Velocity' is written in blue cursive. The definition 'how fast you are going in a given direction' is written in blue cursive, with 'fast' and 'direction' underlined in red. An example 'ex 30 mph East' is written in green cursive below the definition. The word 'Velocity' is also written in black at the bottom center of the page.



Acceleration

Inertia -  
tendency to resist  
change in motion

Two Office Chairs with wheels one student in each chair.



Inertia



1st



objects remain in motion or at rest

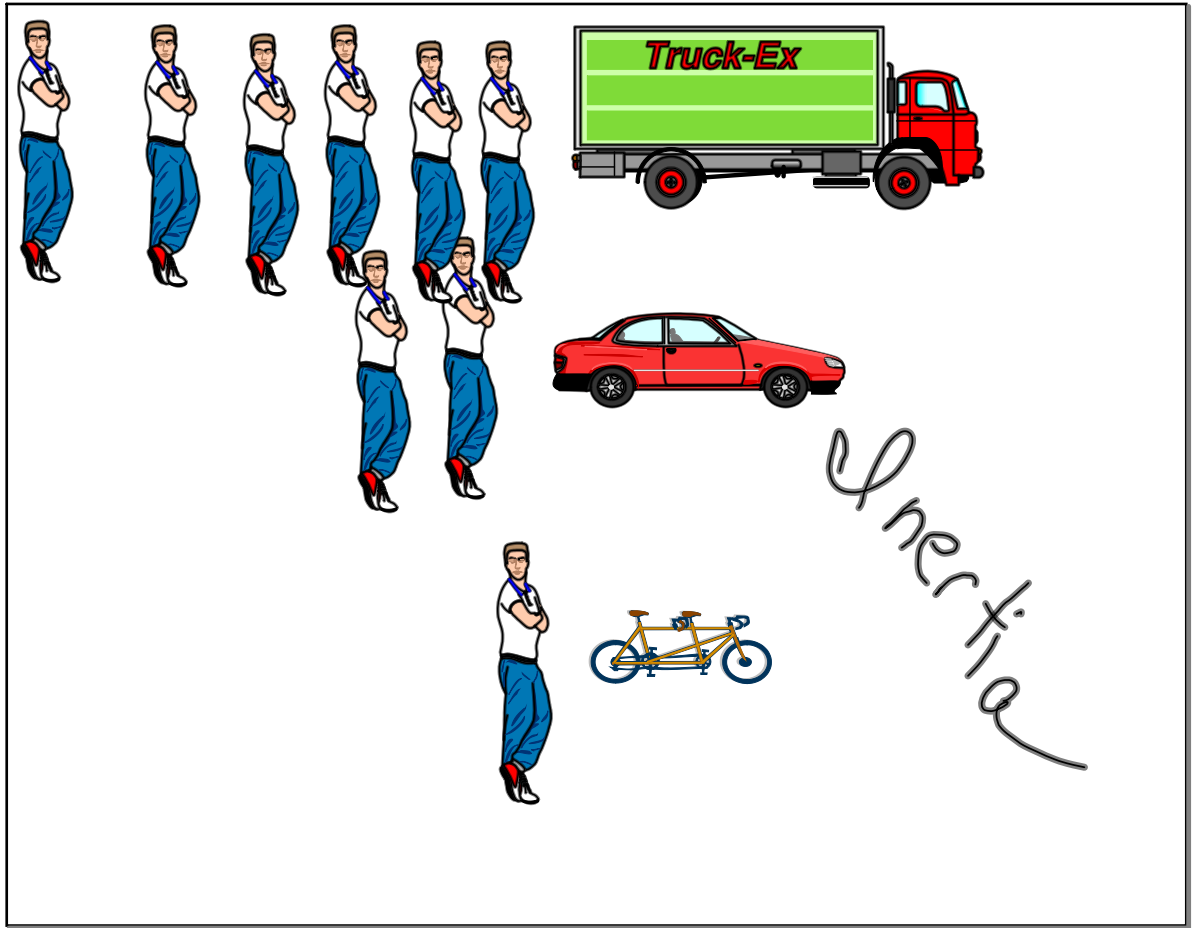


unless acted upon by



a push or a pull

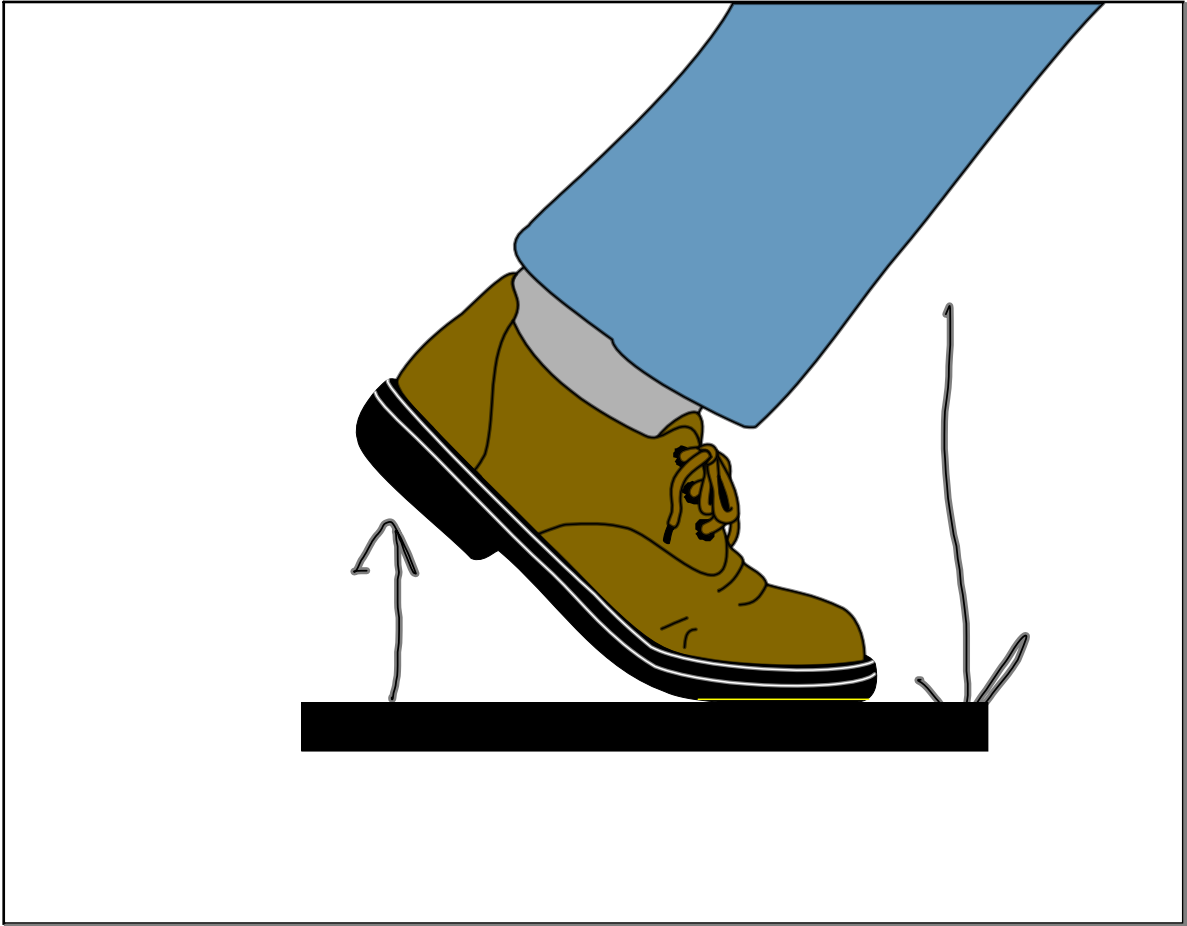
Newton 1st Law



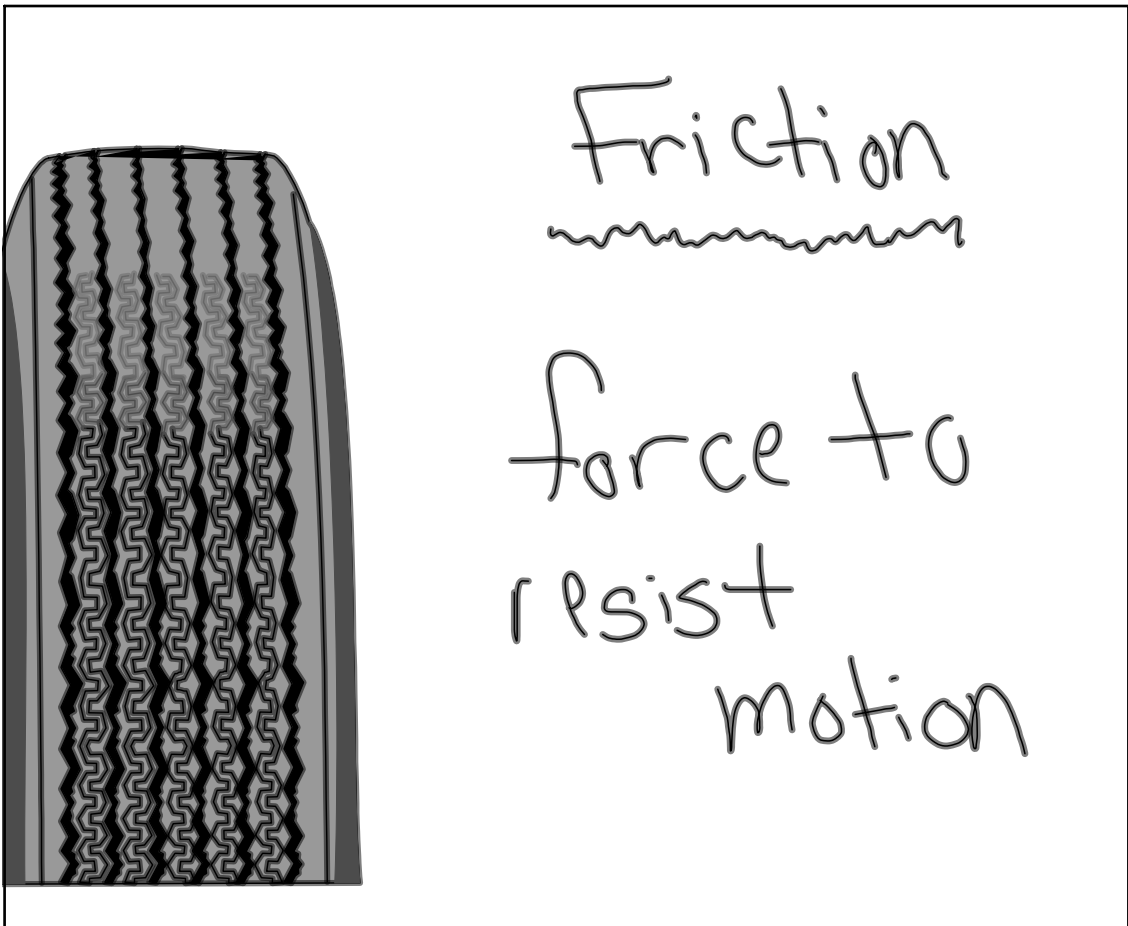
Which has more?



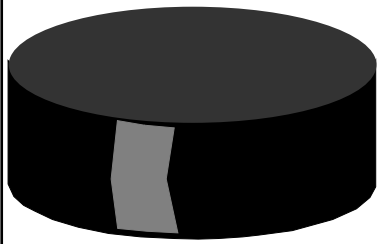
Force



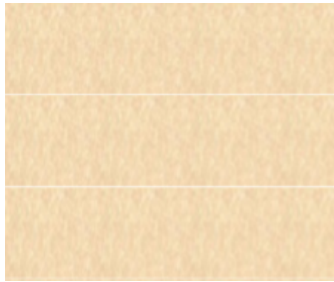
Nov 15-3:25 PM



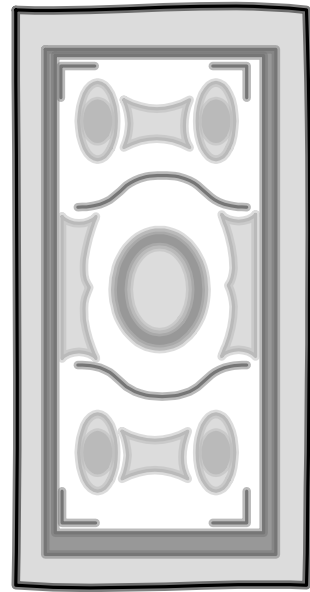
Friction



Ice



Sandpaper

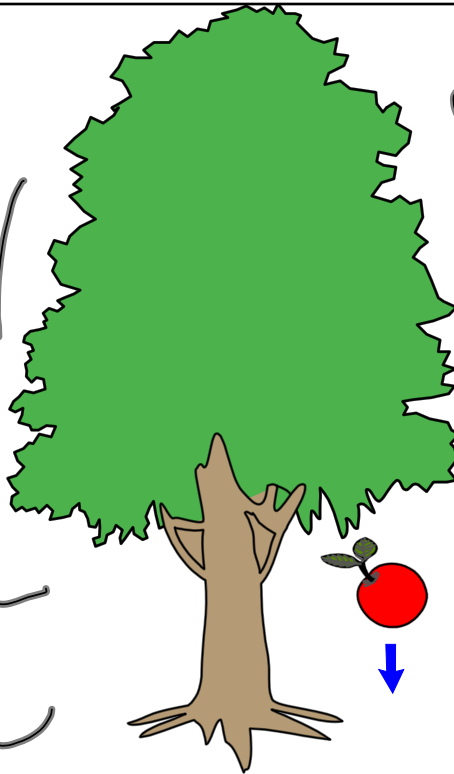


Carpet

Nov 17-6:14 PM

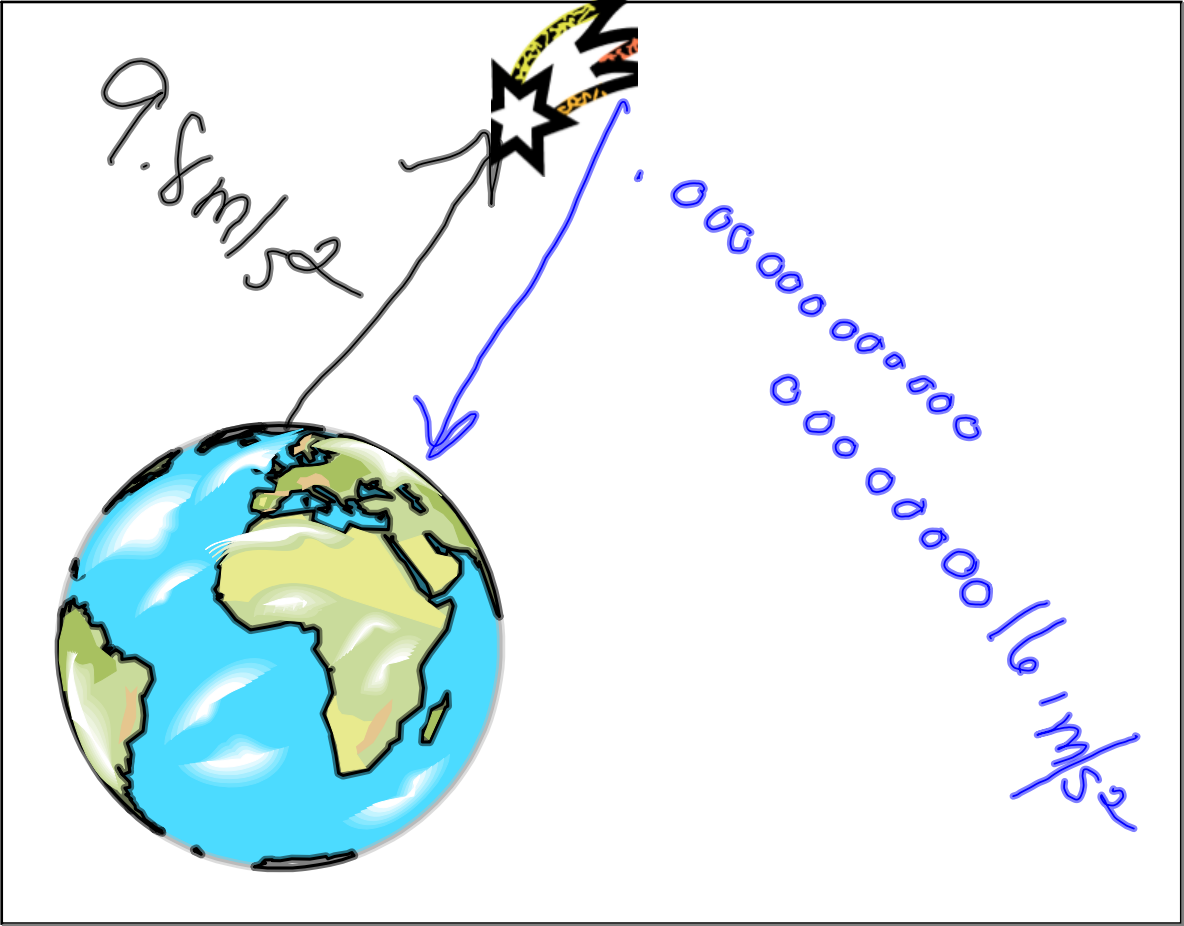
Gravity

pull  
of the  
earth

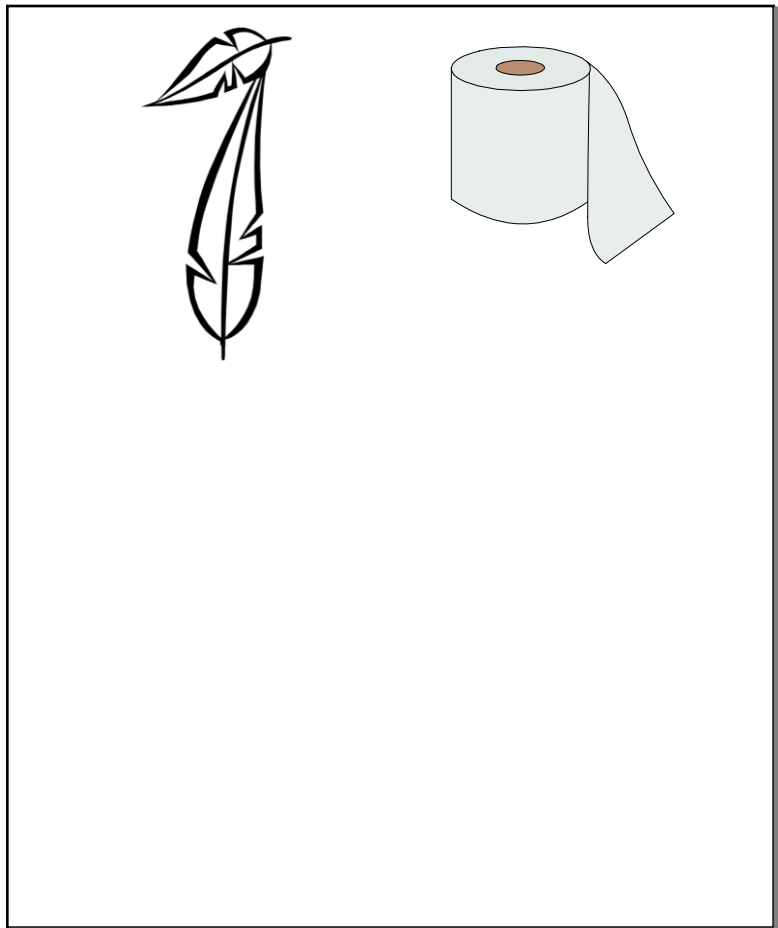


$9.8\text{m/s}^2$

Gravity



Nov 17-6:17 PM



Nov 17-6:17 PM