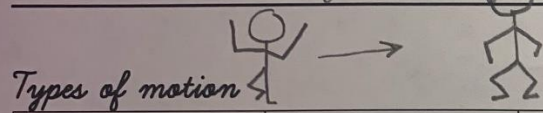
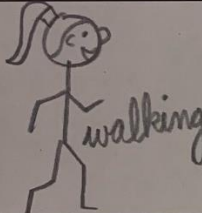
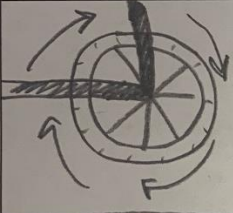
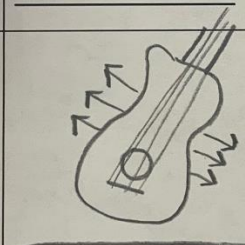


Science Ch. 11  
Motion & Force

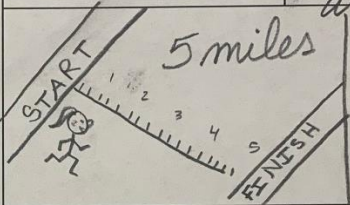
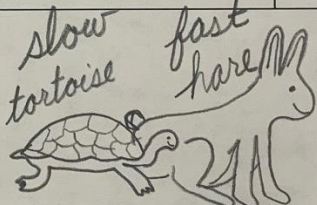
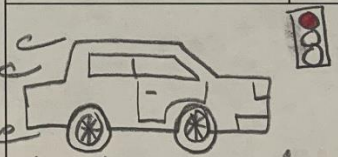
# Motion

Motion is change in position



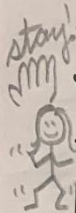
Linear	Circular	Vibrating
Def. <u>moving in a straight line</u>	Def. <u>moving in a circle</u>	Def. <u>moving back and forth</u>
 walking		
own picture	own picture	own picture

# Speed

Distance	<u>how far from one place to another</u> own picture
	
Speed	<u>how fast or slow something is moving</u> own picture
	
Acceleration	<u>a change in speed or direction</u> own picture
	
fast → slow stop	

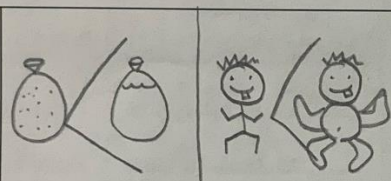
# Forces Affect Motion

Force is a push or pull  
 Inertia is when something stays doing it until something else pushes or pulls it



## Mass

Def. how much matter inside

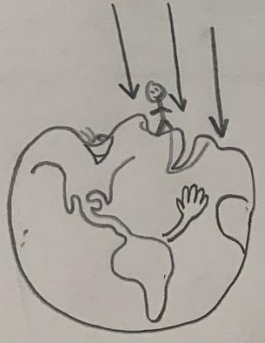


\* More mass = more force

own pictures

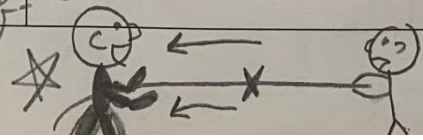
## Gravity

Def. force pushes or pulls toward each other



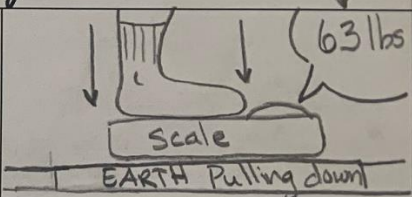
more mass wins tug-of-war

a lot of mass.



## Weight

Def. how much gravity pulls on you

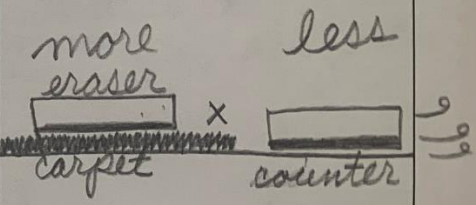


on the moon = 10.42 lbs

less weight = less gravity = less force needed

## Friction

Def. a force between 2 objects that makes them slow down or stop



own picture

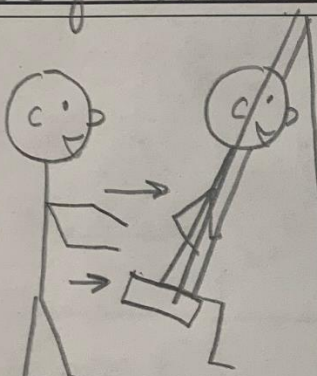
rough = more friction  
smooth = less friction



# Common Forces

Def. you push or pull  
by touching

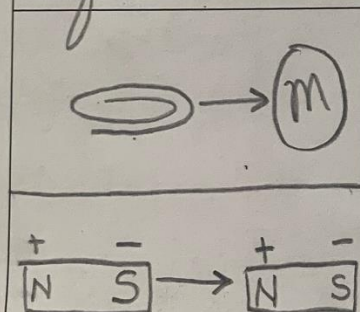
Mechanical Force



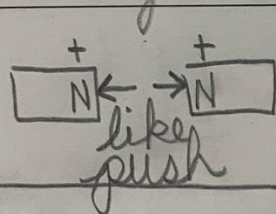
own picture

Def. a push or pull  
from a magnet

Magnetic Force



unlike pull



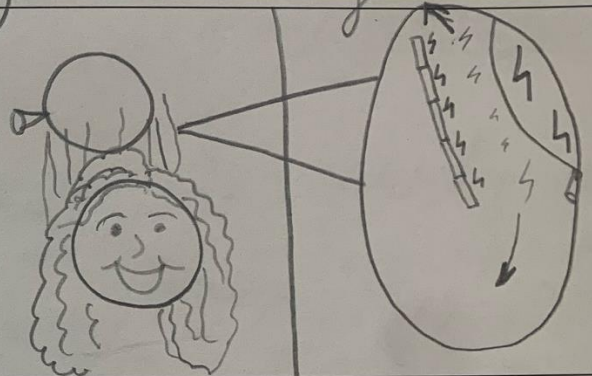
like push

own picture

# Common Forces

Def. a push or pull  
from charged atoms

Electrical Force



Mr. Knowlton Presentation

2 Things I learned:

- 1.) \_\_\_\_\_
- \_\_\_\_\_
- 2.) \_\_\_\_\_
- \_\_\_\_\_

1 Question I have:

- 1.) \_\_\_\_\_
- \_\_\_\_\_