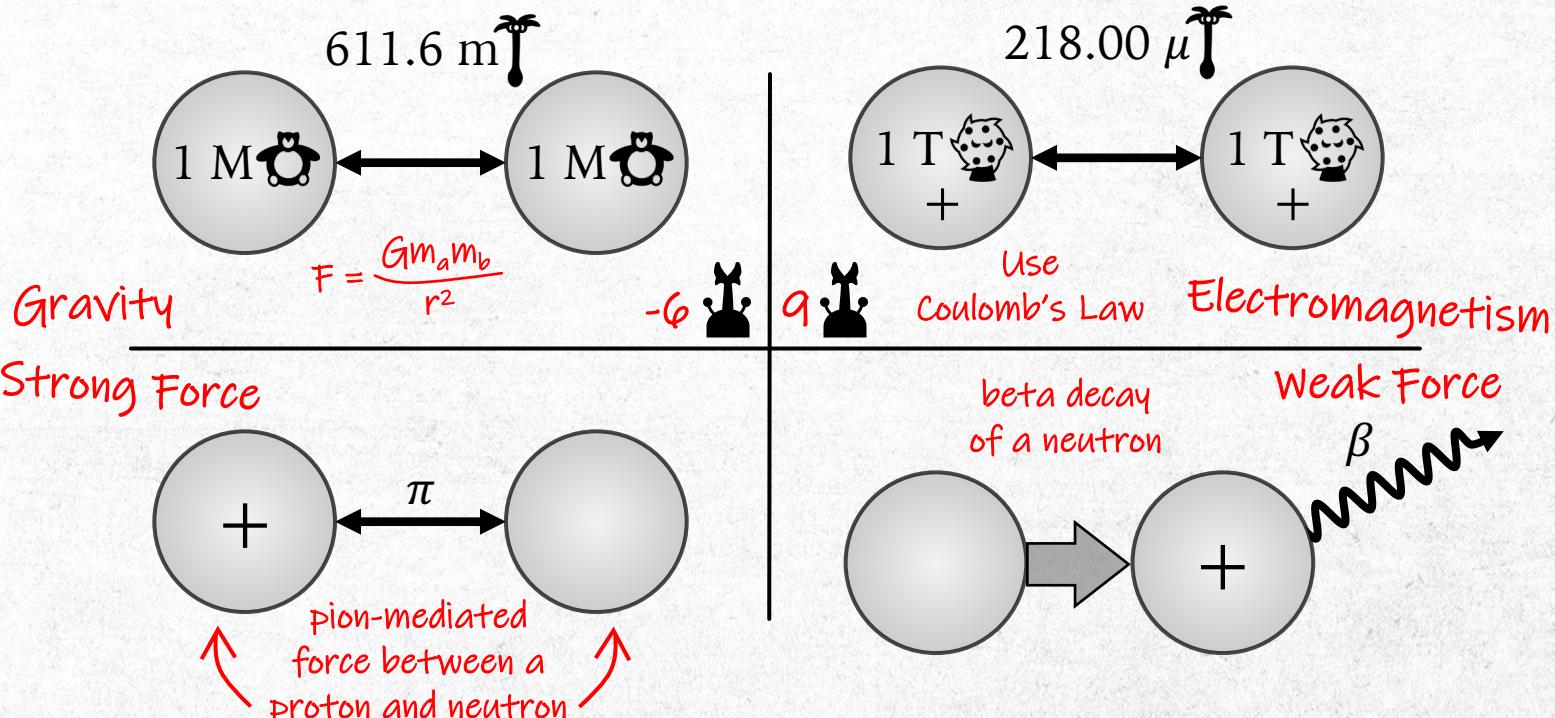


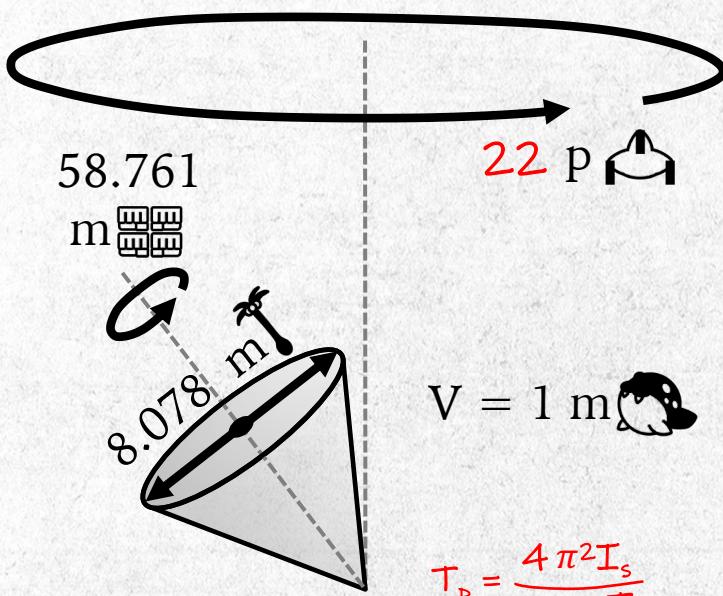
Physics Test

Answer Key

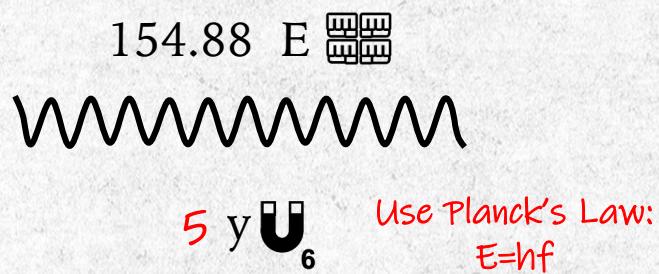
Four Fundamental Forces



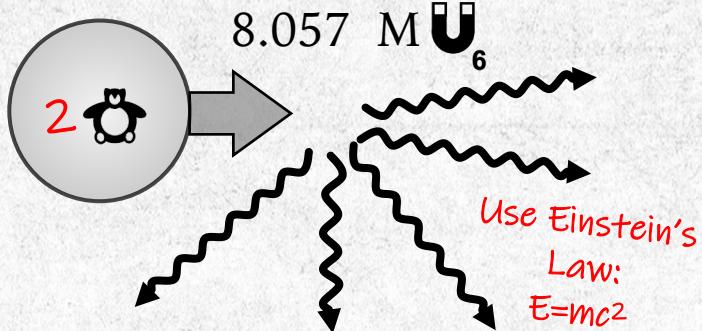
Gyroscopic Precession



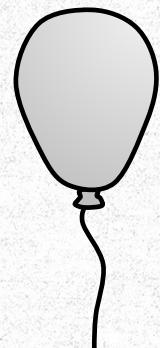
Wavelength Frequency



Mass-Energy Equivalence



Ideal Gas Law



$$V = 9 \text{ } \textcircled{2}$$

$$N = 11.034 \text{ } \textcircled{E}$$

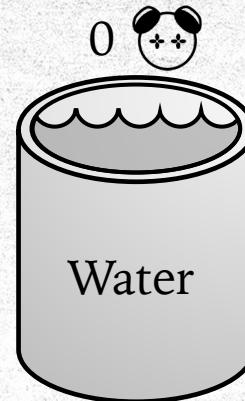
$$1 \text{ } \textcircled{2}$$

$$4.009 \text{ } \textcircled{F}$$

$$PV = Nk_b T$$

(This is room temperature)

Fluid Dynamics



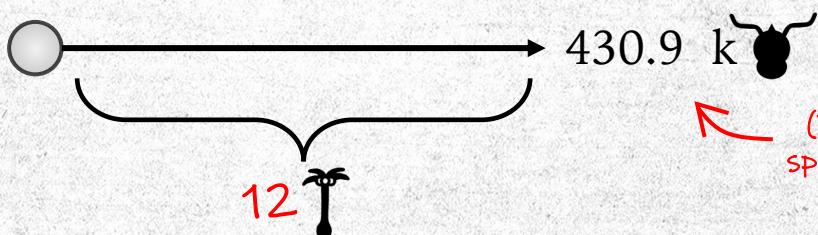
$$641.574 \text{ } \textcircled{k}$$

Pascal's Law:
 $P = \rho gh$

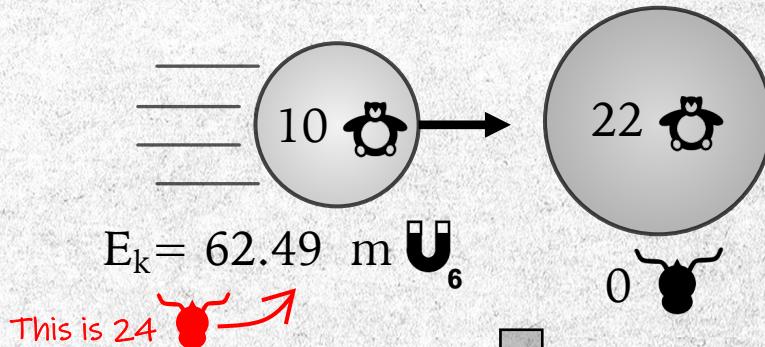
Distance Travelled by a Particle

$$d = vt$$

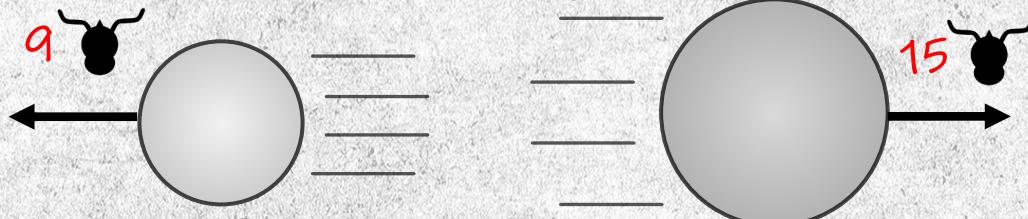
$$13.8 \text{ } \textcircled{a}$$



Elastic Collision

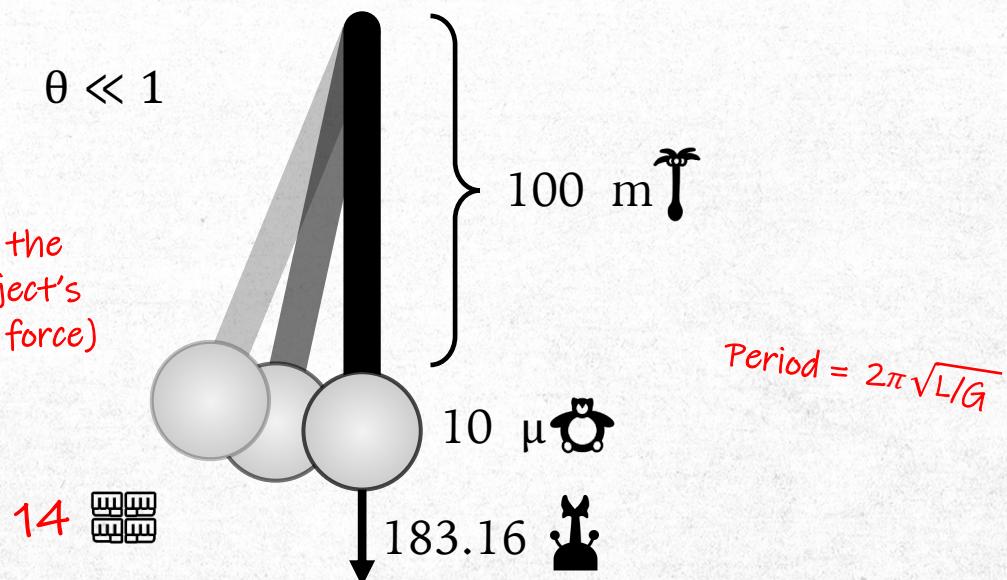


$$\Delta = 0 \text{ } \textcircled{U}_6$$

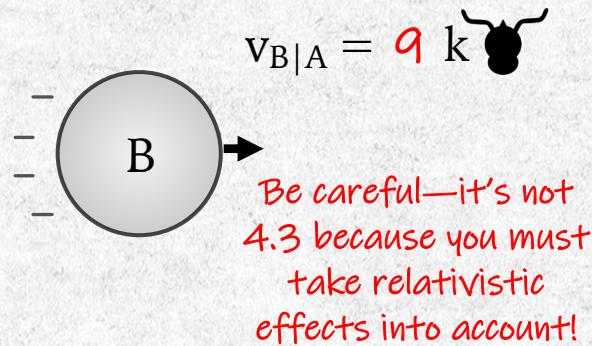
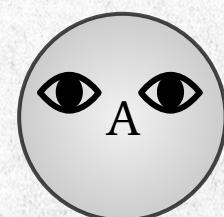
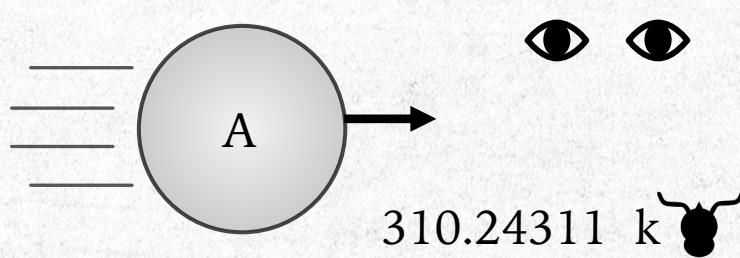


Pendulum

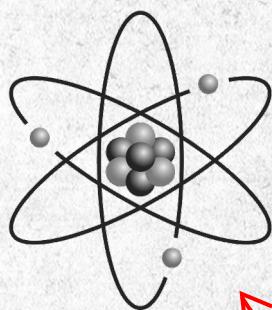
(you can determine the gravity from the object's mass and downwards force)



Relative Velocity



Radioactive Decay



$$Z = 5/9$$

$$N = 7/9$$

This is Neodymium-144

