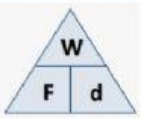
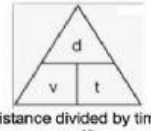
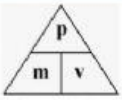
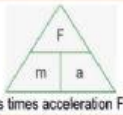
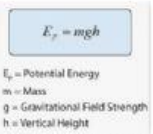
FORCE & MOTION FORMULAS & UNITS

Drag the formula and unit to the correct boxes.

	NAME	FORMULAE	UNITS	DRAG THE FORMULA TO THE CORRECT ROW		
1.	force			 force times distance w=Fd	 distance divided by time s=d/t	$KE = \frac{1}{2}mv^2$ one half of mass times velocity squared
2.	velocity			 mass times velocity p=m*v	 mass times acceleration F=ma	$a = \frac{vf - vi}{t}$ final velocity minus initial velocity divided by time
3.	acceleration			 mass times gravity F_g=m*g (g=9.8)	 $E_p = mgh$ E_p = Potential Energy m = Mass g = Gravitational Field Strength h = Vertical Height mass times gravity times height GPE = m*g*h	 distance divided by time s=d/t

LIVEWORKSHEETS

4.	**weight**			DRAG THE UNITS TO THE CORRECT ROW		
5.	**speed**			units are newtons (N)	units are newtons (N)	units are kilograms times meters per second (kg*m/s)
6.	**momentum**			units are joules (J)	units are joules (J)	units are joules (J)
7.	**work**			units are meters per second (m/s)	units are meters per second (m/s)	units are meters per second squared (m/s^2)

LIVEWORKSHEETS

8.	kinetic energy		
9.	gravitational potential energy		

FORMULAS

UNITS

LIVEWORKSHEETS