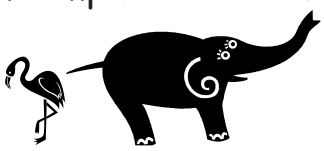
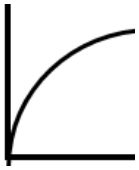
The area under a speed/time graph is …	Time is measured in …	V = (formula)	Acceleration is measured in …
distance	**seconds, s**	**$\Delta d/\Delta t$**	**ms^{-2}**
Velocity is measured in …	The gradient of a distance/time graph is…	Gradient = (how to calculate on a graph)	Negative acceleration is also called …
ms^{-1}	**speed**	**Rise / run**	**deceleration**
The gradient on a speed/time graph is …	Forces are measured in …	If an object is moving at constant speed the forces are …	If an object is accelerating forces must be …
acceleration	**newtons, N**	**balanced**	**unbalanced**
Mass is measured in …	The downward acting force is called …	The force that makes a boat float …	The force which slows objects down is …
kilograms, kg	**weight / weight force**	**upthrust**	**Friction force**

The force which makes an object move forwards is …	Gravity on Earth is equal to …	Work is measured in …	Work is …. (definition)
Thrust	**10 ms^{-2}**	**joules, J**	**done when a force moves an object**
Work, W = (formula)	Energy is … (definition)	A moving object has … (energy)	The energy an object gains when lifted is …
F . d	**The capacity to do work**	**kinetic**	**gravitational potential**
E_K a falling object has just before it hits the ground, is the same as its … before it was dropped	E_K = (formula)	ΔE_P = (formula)	If the speed doubles the kinetic energy
E_P	**$\frac{1}{2}$ m v^2**	**m g Δh**	**increases by 4x**
As speed increases stopping distance …	Energy is never lost or gained only …	The unit of power is …	Power = (formula)
increases	**transferred or transformed**	**watt, W or Js^{-1}**	**W/t or**

If the force remains the same but the area increases, pressure…	If the force remains the same but the area decreases, pressure…	If the force increases but the area remains the same, pressure…	If the force decreases but the area remains the same, pressure…
decreases	**increases**	**increases**	**decreases**
Snow shoes and skis "work" because the force is spread over a ___ area	A needle will exert enormous ____ because surface area (A) of the point where force (F) is applied is very small.	 Drawing pins "work" because force is spread over a ___ area	 Camels feet have a large area so they….
large / greater	**pressure**	**small / smaller**	**exert less pressure & don't sink in the sand**
Pressure (definition)	At ____ velocity the weight force down equals the air resistance force up	1 Nm^{-2} is the same pressure as 1 ___	On a distance-time graph, a horizontal line means…
how much force object exerts over an area	**terminal**	**pascal, Pa**	**stationary or stopped**
Why don't Elephingo or Flamphants exist? 	On a distance-time graph, this curve means 	On a distance-time graph, this curve means 	On a speed - time graph, a horizontal line means…
pressure!!!	**acceleration**	**deceleration**	**constant speed**