P2 Forces and energy Revision Sheet

1. What is the type of energy for objects that are moving? [1]	Kinetic energy
2. What does momentum depend on? [2]	• Mass • Velocity
3. What does Work done depend on? [2]	• The size of the force moved • The distance the force is moved
4. What is Power? [1]	The rate of which work is done.
5. How do you calculate power? [1]	Power = energy transferred / time
6. What form of energy depends on how high the object is? [1]	Gravitational potential energy
7. What is the unit of power? [1]	Watt
8. What is the unit of energy? [1]	Joule
9. What is conservation of momentum? [1]	Momentum before = momentum after
10. What is Kg m/s a unit for? [1]	Unit of momentum
11. State the energy changes of a falling ball from when it drops, to when it lands on the floor [5]	• Gravitational potential energy • Kinetic energy • Elastic energy • Sound energy • Heat energy
12. What is the equation for calculating kinetic energy? [3]	• Kinetic energy = ½ m v^2 • Where m is mass • V is velocity
13. What does kinetic energy depend on? [2]	• Speed of the object • Mass of the object
14. What is the equation used to calculate gravitational potential energy? [4]	E_p = mgh m = mass g = gravitational field strength h = change in height