## KINETIC AND POTENTIAL ENERGY

## GCSE PHYSICS

## Q: Answer the following questions.

1. Define elastic potential energy. Give its formula.	[2 Marks]
Define gravitational potential energy. Give its formula. D affecting it	escribe 3 factors [3 Marks]
3. An object weighing 500 N hits the ground with a speed would be the kinetic energy of that object when it hits the gr	
4. How do changes in mass and velocity of an object affect its	K.E.? [2 Marks]
5. An apple is dropped from a tree. Describe the energy ch flight and the instant it touches the surface of earth.	nanges during its [4 Marks]

6	How do	es air resistand	re affect the t	falling objects	.9	[1 <b>M</b> :
0.	110W do	es an resistan	c affect the i	tannig objects	) <b>.</b>	[1 141
7.	What are	e the units of e	energy and gr	ravitational fi	eld strength?	[2 M
8.	An obje	ct of mass 30	0 Kg is drop	ped from a he	eight of 500 m	neters. As
	there is	no air resistan	ce and all of	GPE changes	into KE.	
	Comple	te the following	ıg table			[6 Ma
	1		U			L
		Height	K.E.	G.P.E.	velocity	
		500 meters				
		300 meters				

THE END