Exam: first séquence évaluation.
Subject : physics
Class: form 3
Instructions: answer all questions

SECTION À: Tick (√) thé letter corresponding to thé correct answer

1). It is the sum of body potential and kinetic energy .

A). Kinetic energy. B) mechanical energy .C) elastic potential energy .D). Nervous energy.

2). A body is droped from thé top of a building with à Gravity of 5kg/m² from a height of 10m . Calculate de speed ?

A). 4 m/s . B) 4 m .C) 10m/s² .D) 10m/s

3). Energy from food ,fuels and chemical is commonly known as ;

A). Kinetic energy.B) nuclear energy .C) chemical energy . D). Potential energy .

4). Thé efficiency of energy is recorded in terms of ;

A) kilometer .B) degree celsius.C) Newton .D) percentage %

5). Which of thé following is thé correct formula to calculate elastic potential energy ?

A). e.p.e= 1/2 Fe . B). e.p. e= mass × time .C) e.p.e= velocity × time .D) g.p.e= mv².

(5 marks)

SECTION B: ANSWER THE FOLLOWING QUESTIONS.

1). State thé law of conservation of energy . (2 marks)

2). What is thé différence between kinetic energy and potential energy (1mark)

3). An object falls with à mass of 10kg at a height of 20m above the ground . Calculate the gravitational potential energy giving that the Gravity of thé object is 10 kg m/s². (2 mks)

4). À Man pushes à plank with a force of 500N and covers a distance of 15m . Calculate de work done by thé Man . (2 mks)

5). State 3 examples of secondary energy sources (3 mks)

6) Define thé following terms as used in physics .

A) Energy .B) work .C) Nuclear energy . D) Renewable energy sources .E) Force .

(5 marks).

GOOD LUCK .... BONNE CHANCE ....