

 LYCEE D'EXCELLENCE	Année Scolaire: 2016-2017	Devoir de:Anglais
		Classes: Secondes C ₁ & C ₂
	Premier Semestre	Durée : 2 Heures
	Première Série	

Text: Force

We can describe a force only by its effects. It cannot be measured directly like a length. A force can start something moving. If we push against a small object it moves. A force can also stop something moving or hinder motion. If we brake a moving car it slows down and will eventually stop. Suspend a heavy mass from a copper wire. The wire extends, showing that a force can stretch a body. Forces may also compress, bend or even break an object.

A force can be one of attraction. The force of attraction exerted by the huge mass of the earth is called gravity. If we pick up a stone, then release it, it falls to the ground because of gravitational force. Gravity is an example of a natural force. Whether a force is naturally or deliberately exerted it cannot exist by itself. Forces must always occur in pairs, never in isolation.

When a force acts on a rigid body it is balanced by an equal reaction force which acts in the opposite direction. If a man stands on a slippery surface and brings a force to bear on a heavy load, the reaction force makes him slide backwards. Similarly if a man fires a rifle, the force which pushes the bullet forwards will be matched by a force which makes the gun push backwards against his shoulder.

Glendinning Eric H. English in Mechanical Engineering, P24

I- Comprehension: read the text above then say whether the sentences are true or false. (5pts)

- 1- Length cannot be measured directly.
- 2- A force can slow down a moving object.
- 3- A force cannot cause movement.
- 4- A body can be compressed by a force.
- 5- A heavy mass can exert a force.
- 6- Gravity is a force.
- 7- Deliberately exerted forces can exist alone.
- 8- Natural forces can exist alone.
- 9- Natural force can be measurable directly like length.
- 10- A force may happen in isolation.

II- Vocabulary: choose the best word that has the same meaning as: (5pts)

- 1- Hinder a) to stop b) to hide c) to hunt
- 2- Extend a) to allow b) to alloy c) to lengthen
- 3- Isolation a) separation b) addition c) consolidation.
- 4- Deliberately a) dependently b) consciously c) accidentally.
- 5- Slippery. a) sleepy b) sleeping c) icy

III- Linguistic competence: put the verb in parentheses in the correct tense. (5pts)

- 1- Look two boys (fight).
- 2- If she asks me I (tell) her the answer.
- 3- I wish I (know) more English.
- 4- We (study) English for years.
- 5- He (sell) mangoes last year.

IV- writing :

Is electricity important for the development of a country? Make ten lines. (5pts)