SCIENCE - I II I SICS COMITONEMI

Name			

Answer every question.

You should spend about 30 minutes on this section.

Question 1

Complete the following sentences by filling in the blank spaces with the correct word(s).

- (a) An _____ is a device that measures electric current.
- (b) An electromagnetic is a magnet that can be turned on and off using .
- (c) Pressure is equal to divided by area.
- (d) _____ occurs when light changes direction as it enters water.
- (e) The pitch of a sound depends on the sound's _____.
- (f) The planet _____ is between Saturn and Mars.
- (g) is the way in which heat energy can travel through a vacuum.

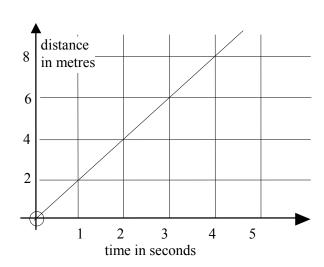
[7]

Student Bounts, com

Question 2

The graph opposite shows how the distance of a child varies in time.

- (a) Estimate the distance covered by the child after 3.5 seconds.
- (b) How long does it take the child to cover 3 metres?
- (c) What is the child's average speed?



average speed = _____

KT October 11

SCIENCE - FILISICS COMITONEM I

Question 3

Student Bounty.com Draw in the space below an electrical circuit containing four 2V light bulbs, a 4V battery and one sw All of the light bulbs should operate at full brightness, two of them should be controlled by the switch.

		[3
(b) Ho	w are 'energy efficient' light hulbs different energy wise from traditional filament light hulbs?	
(b) Ho	w are 'energy efficient' light bulbs different energy wise from traditional filament light bulbs?	
(b) Ho	w are 'energy efficient' light bulbs different energy wise from traditional filament light bulbs?	
(b) Ho	w are 'energy efficient' light bulbs different energy wise from traditional filament light bulbs?	
(b) Ho	w are 'energy efficient' light bulbs different energy wise from traditional filament light bulbs?	

[4]

SCIENCE - FILISICS COMITONEM I

Question 5

A seesaw of length 10m is pivoted about its centre.
On one side a boy of weight 500N sits 4m from the pivot.
A woman of weight 800N sits on the other side.
How far must she sit from the pivot in order to balance the seesaw?

	[3]
Question 6 (a) Name the nearest planet to the Moon.	F13
(b) Roughly, how long does it take the Moon to perform one orbit around the Earth?	[1] [1]

Student Bounty.com

SCIENCE - I II I SICS COMIT UNEM I

Question 7

Julident Bounty Com With the aid of a diagram, describe an experiment that compares how well different materials conduc energy.

TOTAL MARKS FOR THIS SECTION = 30

[4]

NOW CHECK THROUGH YOUR WORK CAREFULLY

KT October 11