H

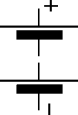
Higher Assignment  
Guide Sheet B: A.C. D.C.



**A.C. D.C relationship.**

**B**

**A**



Two way switch

A

**Instructions:**

* Switch the switch to position B and allow the light to come on.
* Adjust the a.c. voltage to give a peak alternating voltage of 1 V
* Leave this circuit switched on.
* Move the switch to position A and adjust the d.c. voltage so that the lamp is the same brightness as before.
* Use the light level meter to check the brightness
* Measure the deflection of the spot on the oscilloscope. This gives a measure of the direct voltage across the lamp.
* Alter the a.c. peak voltage.
* Use a format to show how AC and DC compare