

School				Mark (10)
Name		HKID		
Class (No.)		Date		

DL11 Ohm's Law

Answers to Preview Questions

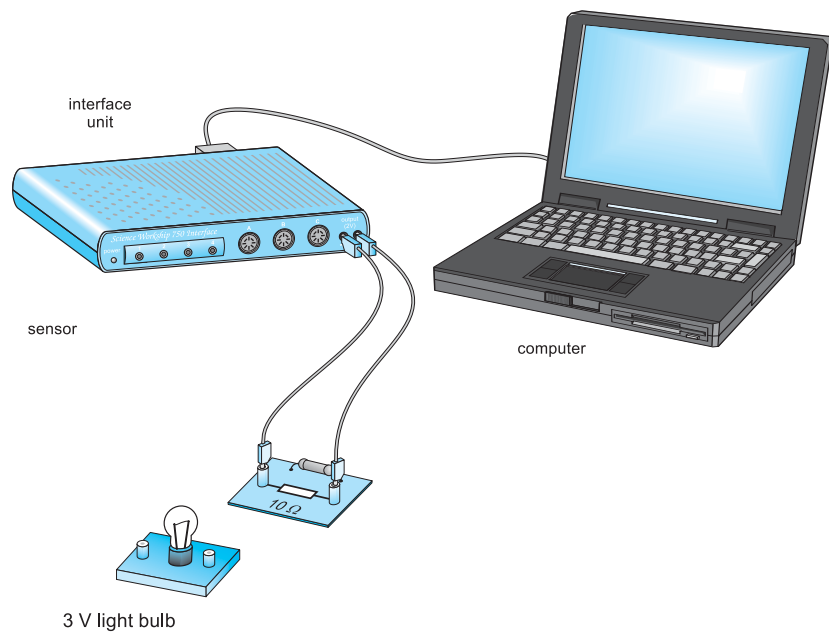
1. _____

2. _____

3. _____

4. _____

Experiment 1 Studying the variations of current with voltage for a resistor and a light bulb using manual sampling option



Experiment 1

Data Analysis 1

2. (a) How does the current vary with the voltage for the resistor?

- (b) How does the current vary with the voltage for the light bulb?

What is the resistance of the resistor from Graph 1? _____

Describe how you find the resistance. _____

4. (a) How does the resistance vary with the current for the resistor? _____

(b) How does the resistance vary with the current for the light bulb? _____

What is the resistance of the resistor from the second graph?

5. How do you account for the slightly higher resistance at very small current in Fig.h?

Experiment 2 Studying the variations of current with voltage for a resistor and a light bulb using a triangular waveform

Data Analysis 2

2. (a) How does the current vary with the voltage for the resistor? _____

(b) How does the current vary with the voltage for the light bulb? _____

What is the resistance of the resistor from Graph 1? _____

3. (a) How does the resistance vary with the current for the resistor? _____

(b) How does the resistance vary with the current for the light bulb? _____

Teacher's Remark

Answers to Discussion

1. _____

2 _____

3. _____

Teacher's Remark