Name

TITLE OF EXPERIMENT

THE FRANCK-HERTZ EXPERIMENT:
EXPERIMENT No 9

MODERN PHYSICS LAB

PHYS 393 COURSEWORK

REPORTING SHEET

PART A: SCIENTIFIC KNOWLEDGE AND PLANNING	
Aim:	
Method – what I am going to do in order to achieve my aim A. List the equipment you plan to use B. Draw your set up, explaining the use of the different components.	

Explain the Bohr's model of the atom.	
Discuss how the classical Franck-Hertz experiment in 1914 supports it.	

How do you expect the relationship between the current and voltage in the experiment would look like- plot it.	
Which factors you suggest should be controlled in order to make sure that yourresults are accurate and reliable?	

PART B: OBTAINING EVIDENCE	
Your data. Use the correct units and convert appropriately.	

PART C: ANALYSING AND CONSIDERING YOUR EVIDENCE	
Graph **(use graph paper)**	
Calculations	
My evidence leads to the following result.	
Compare your results with theoretical values.	

PART D: EVALUATION [10 MARKS]	
What was good or bad about the experiment you did was …	2
Some ways you could improve the experiment were…	2
You had the following anomalies.	2
The explanation for your anomalies was	2
You believe my evidence is reliable/unreliable for the following reasons.	2