

SCIENCE

INTERACTIVE ASSESSMENT QUESTIONS BASED ON STANDARD PRACTICAL EXERCISES FOR REVISION AND EXAMINATION PRACTICE

Physics Part 3

1 of 15

TEST VERSION

IN THIS TEST VERSION NO MARKING, ANSWERS OR TOTALS ARE VISIBLE ON SCREEN. ON THE PRINT-OUT STUDENT'S RESPONSES, TOTALS AND PERCENTAGES ARE VISIBLE

THE ANSWER SEQUENCE IN THIS TEST VERSION IS ONLY AVAILABLE BY WORKING OUT THE CORRECT ANSWER THROUGH UNDERSTANDING.

The questions are of the Multiple Choice style, where the phrase “Which ONE of the following ...” is implied, but is not always stated. So that students are reminded of the type of question that requires short written answers, which unfortunately cannot be automatically marked, each topic has one short passage with missing words, which must be identified in their correct sequence.

NB The practical work presented should be familiar to students, either as a demonstration or as an experiment they might have carried out themselves in the lab. The illustrated material is NOT presented as a practical guide, and while the procedures were carried out according to recommended safety guidelines, specific safety issues are NOT dealt with.

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The following practical topics have been selected according to exam question frequency to form the basis of revision and examination practice.

Each section is completely self-contained and they may be attempted in any order.

Part 1

Refraction

Total Internal Reflection

Sound Waves

Part 2

Transfer of Thermal Energy

Transfer of Electrical Energy

Part 3

Series and Parallel Circuits

Voltage and Current Characteristics

Potential Divider Circuits