

Some of the experiments (for instance, those on the microscope and telescope, Exercises 86 to 90) are beyond the work of the Middle School; but, as they are simple and have interesting practical applications, they have been included.

The values of the physical constants, contained in the tables in the Appendix, have been taken from the *Smithsonian Physical Tables* published by the Smithsonian Institution, Washington, D.C. A volume such as this should be in every physical laboratory.

TORONTO, June, 1911.

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