CHEMISTRY

NOTE.—In both Physics and Chemistry, practice in the preparation and manipulation of apparatus should form part of the Course. Where practicable, the Course should also include simple operations in glass-blowing and lathe work, and in hard and soft soldering.

COMBUSTION IN AIR

Before performing any experiments, strive to produce the right attitude on the part of the pupil by giving a home exercise of the following nature:

Have each pupil write in his note-book in a vertical column the names of five or six common substances that burn in the air, and fill in answers to the following questions regarding each:

Is the substance a solid, a liquid, or a gas?

Is any substance produced when it burns?

Is any ash left behind?

Do you think the ash weighs more or less than the original substance?

Is the burning accompanied by a flame?

Have each pupil tabulate results in the following manner:

Name of substance	Solid, liquid, or gas	Product of burning	Ash or not	Flame or not	Any other observations.
Coal.....	.....	.....	.....	.....	.....
Kerosene.....	.....	.....	.....	.....	.....
Wood.....	.....	.....	.....	.....	.....
Gas.....	.....	.....	.....	.....	.....
Candle.....	.....	.....	.....	.....	.....
Sulphur.....	.....	.....	.....	.....	.....