

rule contemplates are in certain respects the most important of characteristics. Accordingly the above test is a valuable indication of the adequacy of the preceding analysis of physical and chemical properties.

In order if possible to discover the nature of such properties of matter as may have been omitted in our study of fitness, I have examined the index of Landolt and Börnstein's "Physikalisch-chemischen Tabellen," a very extensive and comprehensive work. In addition to information regarding the arbitrary units of physical science, I find mention of the following properties which have not been considered in the present discussion:—

The Mechanical Equivalent of Heat.

The Dimensions of the Angles of Crystals.

The Refraction of Light.

Compressibility.

The Dimensions of the Molecules of Gases.

Elasticity.

The Electromagnetic Rotation of the Plane of Polarization of Light.

Color.

*Phase Rule*, by which he defined the conditions of equilibrium as a relationship between the number of what are called the phases and the components of the system." — FINDLAY, "The Phase Rule and its Applications." London, 1911, 3d ed., p. 8.