

2. *Chemistry*, including Organic and Inorganic Chemistry, Qualitative and Quantitative Analysis.

3. *Minerology*, including Crystallography, Descriptive Mineralogy, Blow-pipe Analysis and Assaying.

4. *Natural History*, including Biology, Botany, and Zoology.

5. *Geology*, including General Geology—that is, Historic and Dynamic Geology and Lithology.

Now, what is the cost of apparatus required to equip in these subjects an undergraduate college with an attendance of from two hundred to three hundred students?

Before we know what apparatus to purchase, we must ascertain clearly two things: (a) The attainments of the students; and (b) The time at their disposal.

The students who enter our colleges range in age, say from sixteen to twenty-one. They pass on entering the matriculation examination. These students are divided into two classes, viz., pass men and honor men. The honor student must, in addition to taking the pass course, attain to special proficiency in special subjects. The Science Department must, therefore, be equipped for the honor man—equipping it for him you equip it for all below him.

TIME AT THE STUDENT'S DISPOSAL.

These young men spend four years in studying for the degree of Bachelor of Arts. Four years of