

energy remains the same through all changes is its "conservation." Energy is a constant quantity.

Faraday once said to Tyndall, who was then a pupil of his in the Royal Institution—when Tyndall was about to show him some experiment—"Tell me first what I am to look for, so that I may more readily see it as the experiment progresses." These are not his exact words, but the substance. Writers often make the mistake of not stating clearly in the outset the point or points that they are endeavoring to prove. The reader must wade through the whole argument, which is often very wordy and obscure, to finally find the whole subject summed up on the last page. In a work of fiction this procedure is all right, for the chief interest of such a work, aside from the philosophy that may be contained in it, lies in the fact that the climax of the story is obscured or hidden until the last moment. There is a sort of excitement in such a pursuit which keeps up the interest of the reader, and the interest is largely in proportion to the ability of the writer to more or less effectually obscure the outcome of the story till the last page of the book is reached. When, however, we are in search of scientific truth the opposite is true. One wants to know in the very beginning what it is that the writer intends to prove. The interest of the reader is then kept