

Wisdom, in the final preparation of our globe, for sustaining the immense velocity, and unceasing continuity of its double motions through the regions of space.

At the close of our Theory of the Sun, and of the means of supplying the waste of his light and heat, we have added in this second edition, some observations on the ideas stated by Dr. Herschell, on the opaqueness of the sun, and on the spots that appear on, or adjacent to his surface; and it will be for men of science, should our Theory meet their perusal, to form their own judgment thereon, and also, on the questions we have proposed to them on this subject.

In this edition, we have commented upon Dr. Buckland's opinion that vegetable and animal life did not exist previously to the transition or secondary formations of the earth. And we trust to have shewn, that as all traces of shells and organic remains may be destroyed by a heat less than is required for the fusion of the rocks that had contained them, so, the *non existence of life* in the earlier periods of creation *cannot be sustained*; but that, as it is highly probable the internal fires were then much more frequent and extensive, so all appearances of the more ancient remains of vegetable and animal life must have been completely obliterated and destroyed. The recent discoveries of Sir Humphry Davy, in his Galvanic Experiments on the primary earths, appear too, to confirm the probability of our theory. The granite mass is mostly composed of these primary earths, which he has found to consist of metallic bases, united to oxygen in a solid state. Now oxygen is one of the most abundant constituents of vegetable and animal life. The basis of several metals also, we trust to have shewn in our work, are the produce of the vegetable process. Mr. Good, in his Book of Nature, page 239, says, "I have already had occasion to observe that Albumen and Fibrine are substances formed by the action of the living principle, out of the common materials of the food, and that it is probable the *lime* found in the bones and other parts, is produced in the same manner."

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