

that are most exposed are most rapid in the process of changing.

It is generally understood that all the planetary system is governed in their motion by an universal system of gravitation, and, as far as I can discern, all nature is conducted and matured by a system of reciprocity.

The fluids contained in the atmosphere are of two kinds, viz.: opaque and transparent, and the substances composing the body of the earth may also be considered opaque and transparent.

As the earth supplies the atmosphere with exhalations consisting of colours and fluids, so the atmosphere supplies the earth with colours and properties to the animal, vegetable, and mineral creation.

We have many instances how vegetables, when deprived of air, lose their colour, and when again a free circulation of air is allowed them they regain their colour, and, it is also understood, that those plants that in their growth are excluded from the air, do not give carbon like those that receive the fresh air, and we know that no animal can live long or enjoy good health without the enjoyment of fresh air, and also, we observe how petrefaction is carried on by the three elements—earth, air and water—all these things may be considered as proving that the whole system of nature is conducted and matured by a system of reciprocity, between the animal, vegetable, and mineral creation, on one part, and the atmosphere and all its components, on the other part.

My belief is, and I have strong reasons for my belief, that the opaque substances of the earth supply the atmosphere with colours, by exhalation, and that all those colours