

*stone* and *granate* are one and the same substance, but I have used both denominations, because there are many persons who make two different species of them. It is the same with respect to flints and free-stone in large pieces ; I look on them as kinds of granate, and I call them *large flints*, because they are disposed like calcinable stone in strata, and to distinguish them from the flints and free-stone in small masses, and the round flints which have no regular quarries, and whose beds have a certain extent ; these are of a modern formation, and have not the same origin as the flints and free-stone in large lumps, which are disposed in regular strata.

I understand by the term *slate*, not only the blue, which all the world knows, but white, grey, and red slate : these bodies are generally met with below laminated clay, and have every appearance of being nothing more than clay hardened in this strata. Pit coal and jet are matters which also belong to clay, and are commonly under slate. By the word *tuffa*, I understood not only the common pumice, which appears full of holes, and, as I may say, organized, but all the beds of stone made by the sediment of running waters, all the stalactites, incrustations,