

## STRUCTURE OF THE CRUST OF THE GLOBE.

39. The fourth and last kind of structure we have to describe, is by far the most extensive and important. It is the structure of the crust of the globe itself, in so far as it is composed of Rock-Formations of different magnitudes, laid over each other in certain directions.

Under the five following heads, Werner comprehends every relation respecting the extent and relative position of Formations in general.

1. *The original extent of formations.*
2. *Their present extent and continuity.*
3. *The position and direction of the strata of formations, in respect to the fundamental rock.*
4. *The direction of the strata themselves, without reference to the fundamental rock.*
5. *The relation of the outgoings of the strata to the exterior of the mountain.*

It may be previously remarked, that when one formation lies on another, it is said to *rest* on it, and the rock on which it rests is termed the *fundamental rock*; and the plane which separates the fundamental rock from the formation that covers it, is denominated the *plane of separation*, which is always parallel with the seams of the strata.

1. *The*