

a total amount of more than five miles; but as the transition and primary strata very much exceed this average, the aggregate of all the European stratified series may be considered to be at least ten miles.

## CHAPTER IV.

### *Relation of Unstratified to Stratified Rocks.*

I SHALL enter into no further details respecting the component members of each group of stratified rocks, than are represented by the lines of division and colours upon the section.\* They are arranged under the old divisions of *primary*, *transition*, *secondary*, and *tertiary* series, more

\* For particular information respecting the mineral character and organic remains of the strata composing each series, I must refer to the numerous publications that have been devoted to these subjects. A most convenient summary of the contents of these publications will be found in De La Beche's *Manual of Geology*, and in Von Meyer's *Palæologia*, (Frankfurt, 1832); ample details respecting the English strata are given in Conybeare and Phillips's *Geology of England and Wales*. See also Bakewell's introduction to *Geology*, 1833; and Professor Phillips's article *Geology*, in the *Encyclopædia Metropolitana*; also Professor Phillips's *Guide to Geology*, 8vo. 1834; and De La Beche's *Researches in Theoretical Geology*, 8vo. 1834. The history of the organic remains of the tertiary period has been most ably elucidated in Lyell's *Principles of Geology*.