

partly broken, partly unbroken. Here are Porphyry, Sienite, newer Granite, Quartz, and Serpentine. Still lower down, we meet with Transition Rocks, of which the Limestone appears at Kalk-grun and Wildenfeis, the Amygdaloid in Voigtland, and the Grey-wacke and Grey-wacke slate at Braunsdorf near Freyberg. Still lower down, and often covering the preceding formations, we find Sandstone and Limestone; and in several places, as at Hainchen, Potchappel near Dresden, and Zwickaw, there are depositions of the Coal formation. Lastly, The Newest Floetz trap formation covers all the others, in unconfusable, overlying and very broken stratification.

But the substances formed by Sir James Hall in his experiments cannot be confounded with any of these rocks.

CHAP. V. THEORY OF THE DIMINUTION OF THE WATERS OF THE GLOBE.—DESCRIPTION OF OVERLYING FORMATIONS.—AN INVESTIGATION OF THE CON-

TENTS OF THE ORIGINAL WATERS OF THE GLOBE DURING THE DIFFERENT PERIODS OF THE EARTH'S FORMATION.—THE DIVISION OF ROCKS INTO FIVE GREAT CLASSES.

43. THE spheroidal figure of the earth is a proof of its original fluidity. This important conclusion was never disputed; the only