

## CHAPTER ELEVENTH.

### PECULIAR MODES OF REPRODUCTION.

#### SECTION I.

##### GEMMIPAROUS AND FISSIPAROUS REPRODUCTION.

328. WE have shown in the preceding chapter, that ovulation, and the development of embryos from eggs, is common to all classes of animals, and must be considered as the great process for the reproduction of species. Two other modes of propagation, applying, however, to only a limited number of animals, remain to be mentioned, namely, *gemmiparous* reproduction, or multiplication by means of buds, and *fissiparous* reproduction, or propagation by division; and also some still more extraordinary modifications yet involved in much obscurity.

329. *Reproduction by buds* occurs among the polyps, medusæ, and some of the infusoria. On the stalk, or even on the body of the Hydra, (Fig. 132,) and of many infusoria, there are formed buds, like those of plants. On close examination they are found to be young animals, at first very imperfectly formed, and communicating at the base with the parent body, from which they derive their nourishment. By degrees, the animal is developed; in most



Fig. 132.

cases, the tube by which it is connected with the parent