

however, they differ externally by the absence of the coat of scales. Most gilled Batrachia live in North America: among others of the class is the Axolotl, or Siredon, already mentioned. (Compare above, vol. i. p. 241.) In Europe the order is only represented by one form, the celebrated "Olm" (*Proteus anguinus*), which inhabits the grotto of Adelsberg and other caves in Carinthia, and which, from living in the dark, has acquired rudimentary eyes which can no longer see (vol. i. p. 13). The order of Tailed Batrachia (*Sozura*) have developed out of the gilled Batrachia by the loss of external gills; the order includes our black and yellow spotted land Salamander (*Salamandra maculata*), and our nimble aquatic Salamanders (*Tritons*). Many of them—for instance, the celebrated giant Salamanders in Japan (*Cryptobranchus Japonicus*)—still retain the gill-slits, although the gills themselves have disappeared. All of them, however, retain the tail throughout life. *Tritons* occasionally — when forced to remain in water always—retain their gills, and thus remain at the same stage of development as gilled Batrachia. (Compare above, vol. i. p. 241.) The third order, the *tailless* or *frog-like Batrachia* (*Anura*), during their metamorphosis, not only lose their gills, with which in early life (as so-called tadpoles) they breathe in water, but also the tail with which they swim about. During their ontogeny, therefore, they pass through the course of development of the whole sub-class, they being at first *Gilled Batrachia*, then *Tailed Batrachia*, and finally *Frog-like Batrachia*. The inference from this is evidently, that *Frog-like Batrachia* developed at a later period out of *Tailed Batrachia*, as the latter had developed out of *Gilled Batrachia* which originally existed alone.