

- d. Those whose scales are entire, and whose fin rays are soft; like the salmon, (*Cycloids*.)

II. Department of ARTICULATES. Animals whose body is composed of rings or joints. It embraces three classes :

1. Insects.
2. Crustaceans, like the crab, lobster, &c.
3. Worms.

The class of INSECTS includes three orders :

- a. Those with a trunk for sucking fluids, like the butterfly, (*Suctoria*,) fig. 62-64.
- b. Those which have jaws for dividing their food, (*Manducata*,) fig. 60.
- c. Those destitute of wings; like spiders, fleas, millipedes, &c., (*Aptera*.)

The class CRUSTACEANS may be divided as follows :

- a. Those furnished with a shield, like the crab and lobster, (*Malacostraca*.)
- b. Such as are not thus protected, (*Entomostraca*.)
- c. An extinct race, intermediate between these two, (*Trilobites*,) fig. 156.

The class of WORMS comprises three orders :

- a. Those which have thread-like gills about the head, (*Tubulibranchiates*.)
- b. Those whose gills are placed along the sides, (*Dorsibranchiates*.)
- c. Those who have no exterior gills, like the earth-worm (*Abranchiates*,) and also the Intestinal Worms.