

III. The department of MOLLUSKS is divided into three classes, namely :

1. Those which have arms about the mouth, like the cuttle-fish, (*Cephalopods*,) fig. 47.
2. Those which creep on a flattened disk or foot, like snails, (*Gasteropods*,) fig. 88.
3. Those which have no distinct head, and are inclosed in a bivalve shell, like the clams, (*Acephals*.)

The CEPHALOPODS may be divided into

- a. The cuttle-fishes, properly so called, (*Teuthideans*,) fig. 47.
- b. Those having a shell, divided by sinuous partitions into numerous chambers, (*Ammonites*,) fig. 164.
- c. Those having a chambered shell with simple partitions, (*Nautilus*.)

The GASTEROPODS contain four orders :

- a. The land snails which breathe air, (*Pulmonates*.)
- b. The aquatic snails which breathe water, (*Branchifers*,) fig. 88.
- c. Those which have wing-like appendages about the head, for swimming, (*Pteropods*.)
- d. A still lower form allied to the Polyyps by their general appearance, (*Rhizopods* or *Foraminifera*.)

The class of ACEPHALS contains three orders :

- a. Those having shells of two valves, (bivalves,) like the clam and oyster, (*Lamellibranchiates*.)
- b. Those having two unequal valves, and furnished with peculiar arms, (*Brachiopods*.)