

## Class II.

Intestine terminating in a caecal extremity, without anus .....	}	Order 3. Trematoda.
Sexes united.....		

## Class III.

Perfect intestine } Sexes distinct..... }	Mouth situated on the ventral surface provided with four retractile hooks...	}	Order 4. Acanthotheca.
	Mouth at or near the anterior ex- tremity and with- out retractile hooks		

It will be observed that sexuality is an essential characteristic of all the classes with the order beneath them. All such transitory forms, as cystic worms, cercaria, &c., which are mere stages of development from the egg to the perfect animal, are struck out of the general classification and placed among the characteristics of species. The consideration of their embryology will shew that there would be as great impropriety in classifying cercaria, as a larva or chrysalis of insects. Such names as cercaria, redia, &c., will be retained, but with the proviso that they do not indicate species, but different *stages* of species.

The general characteristics of the orders infesting man will now be given. In their embryology such additional particulars will be given as are necessary to elucidate the subject.

## ORDER 1. CESTOIDEA.

The body is soft, elongated, flattened, jointed, terminated anteriorly in a cephalic enlargement to which it is mostly united for some time. The whole together constitutes a strobila. The head or scolex is pyriform in shape, and furnished with four (or two) sucking discs often also supplied with hooklets.

The joints or proglides are destitute of external organs and have embryos armed with hooks. They have no intestine. The cestoids have no true alimentary canal. In the tænia there are merely