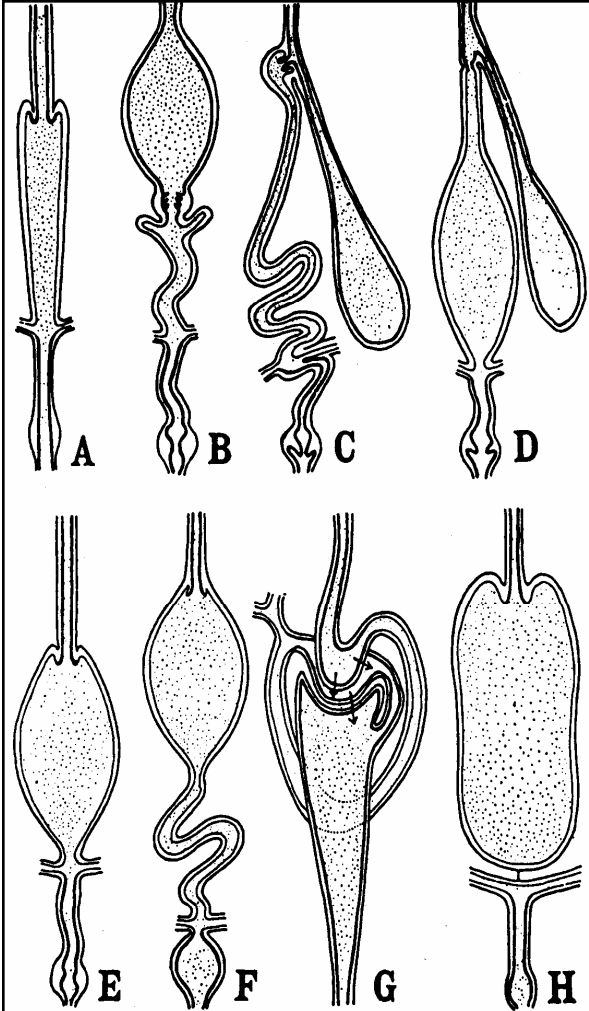


they constitute a large portion of the total body mass of many animals. In arthropods, the digestive system is highly specialized. In insects, the foregut is lined with a thin chitinous cuticle. In crustaceans, the foregut and hindgut have a muscular wall. Morphological differences between the digestive systems of insects and crustaceans are evident. In insects, the foregut is lined with a thin chitinous cuticle, while in crustaceans, the foregut and hindgut have a muscular wall. The foregut and hindgut of insects and crustaceans are homologous to the foregut and hindgut of vertebrates. The foregut and hindgut of insects and crustaceans are lined with a thin chitinous cuticle, while the foregut and hindgut of vertebrates are lined with a muscular wall.



Diagrams showing some of the modifications of the alimentary hindgut indicated by a heavy line internally. A, in prim... B, in Orthoptera, Odonata, Hymenoptera, and many... C, in Diptera; D, in Diptera, Nematocera, Lepidoptera; E, in S... F, in many Hemiptera Heteroptera; G, in Coccidae; H, in Apocrita and in larvae of *Myrmeleon* and other Neuro... (1950).

