

Answer on Question #67686 – Biology – Other

Question

1. What are the Members of phylum chaetognatha and their common names?
2. Similarity of the left and right sides of animal is ?
3. Anterior end of _____ becomes enlarged to form the brain.
4. _____ was previously thought to be notochord in hemichordates.
5. The largest anthrops (2.5 m long) were _____
6. Major difference between class polychaeta from Annelids is presence of _____

Solution

1. Chaetognatha, meaning bristle-jaws, and commonly known as arrow worms, is a phylum of predatory marine worms which are a major component of plankton worldwide. About 20% of the known species are benthic, and can attach to algae and rocks.
Common names: spadella, sagiita gazellae, sagiita setosa, spadella cephaloptera, Sagiita inflata, S. haxeptera, S. japonika, eukrohnia hamate.
2. Bilateral symmetry is a basic body plan in which the left and right sides of the organism can be divided into approximate mirror images of each other along the midline.
3. Anterior end of dorsal tubular nerve cord becomes enlarged to form the brain.
4. Diverticulum of the foregut was previously thought to be notochord in hemichordates.
5. The largest anthrops (2.5 m long) were jaekelopterus.
6. Major difference between class polychaeta from Annelids is presence of brain size.