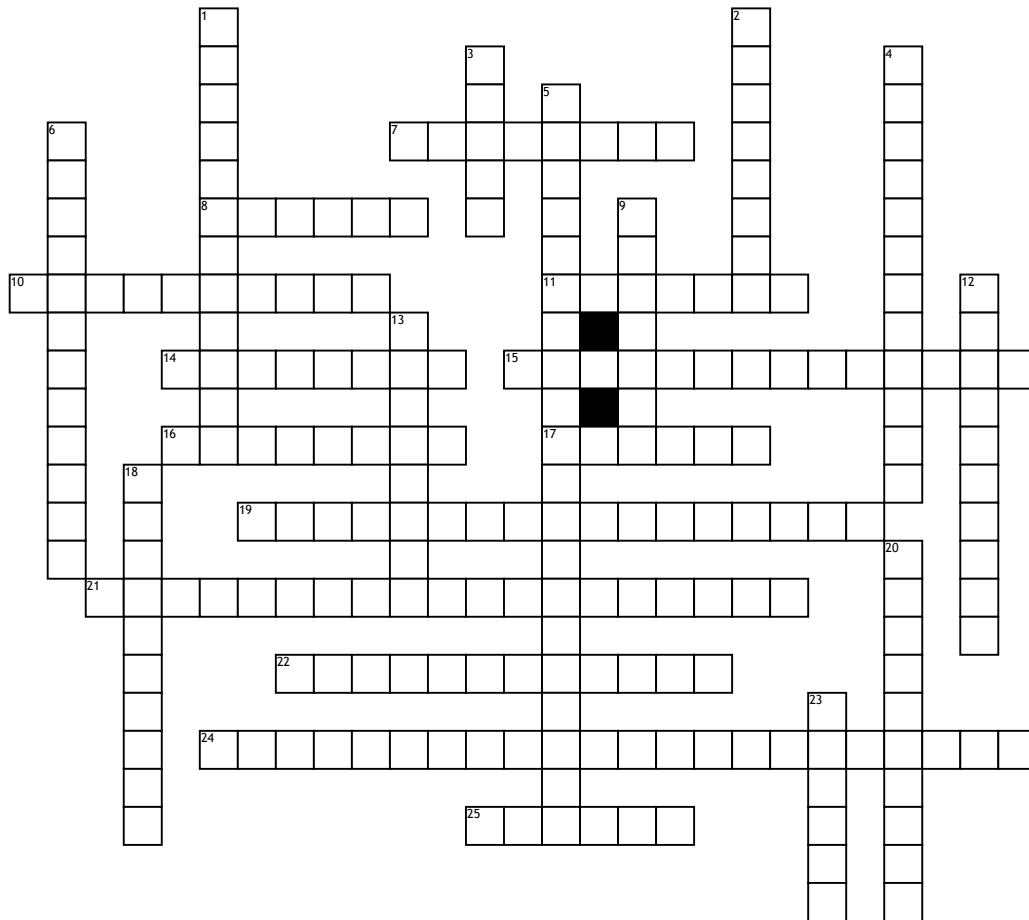


# Biology Chapter 23



## Across

7. Three-stranded protein, unique to animals, combines to form strong flexible fibres  
 8. filelike feeding organ found in mollusks  
 10. animal development in which the animals mouth develops before the anus  
 11. small bone, especially one of the three found in the middle ear of mammals  
 14. genes that define the head-to-tail pattern of development in animal embryos  
 15. arrangement of body parts in a circle around a central axis  
 16. jellylike material that separates the two tissue layers of a cnidarian  
 17. fluid-filled space that is completely covered by muscle

19. body plan of some organisms in which the body can be divided equally along only one plane  
 21. system of water filled canals that extend down each arm of a echinoderm, such as sea star  
 22. repeated sections of an annelids long body that contains the same set of structur, head and tail not included

24. digestive system that has two openings, mouth and an anus, that are at opposite ends of a continuous tube

25. group of animals defined by structural and functional characteristics that are different from every other phylum

## Down

1. animal development in which the animals anus develops before the mouth  
 2. open space between cells in animal tissue

3. tubed-shaped body form of a cnidarian in which the mouth and tentacles face upward  
 4. in plants, a waxy layer that holds in moisture; insects, a tough exoskeleton made of non-living material  
 5. saclike digestive space  
 6. animals without a backbone  
 9. unable to move from a fixed point  
 12. animal with an internal segmented backbone  
 13. genes that control early development animals  
 18. capsule containing a thin, coiled tubule with a poisonous barb at one end  
 20. animals that eats by straining particles from water  
 23. umbrella-shaped body form of a cnidarian in which the mouth and tentacles are on the underside

## Word Bank

nematocyst	complete digestive tract	segmentation	invertebrate	mesoglea
collagen	gastrovascular cavity	phylum	ossicle	polyp
deuterostome	medusa	homeobox	coelom	hemocoel
water vascular system	bilateral symmetry	filter feed	pseudocoelom	protostome
radial symmetry	sessile	homeotic	vertebrate	radula