

INVERTEBRATES I CLUES

Across

4. external bandlike structure that is important for earthworm reproduction
7. circulatory system with vessels
8. cnidarian that can kill you if you get stung by it
10. body sections of tapeworms that are filled with eggs
11. aortic arches of the earthworm function as the _____
15. phylum of the flatworms
19. structure of clams that uses cilia to draw water into the body for filter feeding
25. stinging cells
26. false-body cavity of the roundworms
27. structure used by slugs for feeding
32. phylum of the roundworms
33. "head-footed"
34. structure of earthworms that holds the soil before it moves to the gizzard
35. class of the leeches
37. directional term meaning toward the head
38. class of the earthworms
39. salt water
40. tube-shaped body with mouths surrounded by tentacles
41. phylum of segmented worms
43. structure of earthworms that grinds soil
44. directional term meaning toward the tail

Down

1. symmetry type that can have the body cut down the center in only 1 spot with equal right and left halves
2. phylum of corals, jellyfish & sea anemones
3. class of the bristleworms
5. free-swimming form of sponges
6. symmetry type that can be divided down the center in more than one spot to give equal right and left sides
9. during the polyp stage, cnidarians reproduce with this type of asexual reproduction
12. sense organs of heartworms
13. circulatory system without vessels
14. common name of *Lumbricus terrestris*
16. phylum of the sponges
17. body type without a cavity
18. true-body cavity
19. non-moving
20. sexually reproductive stage of cnidarians
21. symbiotic relationship of leeches
22. phylum of mollusks
23. regeneration and ____ are ways that flatworms reproduce asexually
24. tiny bristles that anchor the earthworm body in the soil
28. directional term meaning toward the belly
29. "stomach-footed"
30. move about at night
31. thin membrane that surrounds the internal organs and secretes the shell in mollusks
35. individual can produce both eggs and sperm
36. directional term meaning toward the back
39. umbrella-shaped body with tentacles hanging down
42. excretory structures of gastropods

INVERTEBRATES II CLUES

Across

2. subphylum including the lancelets
5. hard outer body covering
6. modified body segments of chordates that consist of stacked muscle layers
12. 2nd pair of appendages of spiders adapted for handling food
14. respiratory structure of ticks and mites
16. echinoderms don't have a brain, they have a _____ and nerve ring
17. millipedes have _____ of legs per body segment
19. branching networks of hollow tubes that carry air through the centipede body
20. development from unfertilized egg
23. centipedes have _____ of legs per body segment
27. fused head and chest region that is one of the segments of arthropods with 2 body segments
29. class of millipedes
32. phylum of humans
34. regrowth of missing parts
35. paired openings located in the pharynx, behind the mouth of chordates
37. 1st phylum of invertebrates to have an exoskeleton
39. largest class of invertebrates
40. class of horseshoe crabs
41. class of the spiders
42. series of changes controlled by chemical substances in an animal
43. class of the crawfish
44. class of centipedes

Down

1. jaws for crushing food
3. two components of the exoskeleton
4. only sessile echinoderms
7. structures in the abdomen of spiders that make the threads
8. posterior portion of the dorsal nerve chord develops into the _____
9. echinoderm that expels a sticky mass of intestines in order to escape danger
10. 1st pair of appendages of spiders located near the mouth that's modified into pincers or fangs
11. egg, larvae, pupa, and adult
13. bundle of nerves housed in a fluid-filled canal that lies above the notochord
15. echinoderms that are sessile in larval form, but swim using feather arms when they're adults
18. respiratory structure of class Crustacea
21. jointed structures that grow out of the body
22. anterior portion of the dorsal nerve chord develops into the _____
24. 2nd stage of incomplete metamorphosis, similar appearance to the adult
25. echinoderms that are globe or disk-shaped and inhabit rocky areas
26. long semi-rigid, rod-like structure
28. shedding of old exoskeleton
30. # of stages in complete metamorphosis
31. phylum of starfish and brittle stars
33. subphylum including the sea squirts
36. openings in the thorax and abdomen where air enters and exits
38. period of reorganization in which the tissues and organs of the larva are broken down and replaced by adult tissues