

The Skeletal System

Match each group of species to its Phylum.

- | | |
|--|--------------------|
| 1) _____ Jellyfish, Hydra, Coral | a) Porifera |
| 2) _____ Hookworms, Eye worms,
Roundworms | b) Cnidaria |
| 3) _____ Starfish, Sand dollar,
Strongylocentrotuspurpuratus | c) Chordata |
| 4) _____ Boardfish Tape worm, Divided Flat
worm, Mint Sauce worm | d) Annelid |
| 5) _____ Earthworm, Leech, Ragworm | e) Platyhelminthes |
| 6) _____ Chimney Sponge, Heavenly
Sponge, Polymastia aurantium | f) Nematoda |
| 7) _____ Black widow, Praying mantis,
Ladybug | g) Mullosca |
| 8) _____ Red Flame Scallop, False cowries,
Flambouyant Cuttlefish | h) Echinodermata |
| 9) _____ Humans, Wolf, Shark | i) Arthropoda |

10) What is the gel that makes up the two layers of the Hydra? Circle the correct answer.

- a) mesoglea
- b) desoglea
- c) jelly
- d) hydra gel

11) Which species can regenerate lost limbs?

- a) jellyfish
- b) humans
- c) Hydra
- d) all of the above

12) How many bones does a Homo Sapien have?

- a) 256
- b) 276
- c) 206
- d) 266

- 13) What does the term "digitate" mean?
- a) usually not visible
 - b) in the shape of fingers
 - c) to dig
 - d) none of the above
- 14) What are body forms that occur in Cnidaria species and attach on to them?
- a) polyps
 - b) puff balls
 - c) hydro- static
 - d) leechs
- 15) What species is made up of a gelatinous umbrella- shaped bell and tentacles?
- a) homo spaien
 - b) heavenly sponge
 - c) cnidaria
 - d) jellyfish
- 16) The human skeletal system grows very quickly and adapts precisely to our movement patterns.
- a) True
 - b) False
- 17) Pseudoceros dimidiatus, or the Divided Flatworm, is a non-paprasitic (free living) species of worm in the Mollusca phylum.
- a) True
 - b) False
- 18) The black widow spider has an exoskeleton and a endoskeleton for support as well as tightly packed organs.
- a) True
 - b) False
- 19) The exoskeleton gives the earthworm support and allows it to move into any shape.
- a) True
 - b) False
- 20) Eye worms are very tiny and they don't have a skeleton.
- a) True
 - b) False

Match each species with its scientific name.

- | | |
|---------------------------------|---------------------------------------|
| 21) _____ Green Hydra | a) <i>Latrodectus mactans</i> |
| 22) _____ Pillar Coral | b) <i>Loa loa</i> |
| 23) _____ Moon Jellyfish | c) <i>Lumbricus terrestris</i> |
| 24) _____ Heavenly Sponge | d) <i>Caenorhabditis elegans</i> |
| 25) _____ Chimney Sponge | e) <i>Alitta succinea</i> |
| 26) _____ Broad Fish Tapeworm | f) <i>Lima scabra</i> |
| 27) _____ Divided Flatworm | g) <i>Chlorohydra viridissima</i> |
| 28) _____ Mint Sauce Worm | h) <i>Symsagittifera roscoffensis</i> |
| 29) _____ Eye Worm | i) <i>Aurelia aurita</i> |
| 30) _____ Hookworm | j) <i>Homo sapiens</i> |
| 31) _____ Roundworm | k) <i>Hirudo medicinalis</i> |
| 32) _____ Earthworm | l) <i>Pseudoceros dimidiatus</i> |
| 33) _____ Leech | m) <i>Diphyllobothrium latum</i> |
| 34) _____ Ragworm | n) <i>Ancylostoma duodenale</i> |
| 35) _____ Red Flame Scallop | o) <i>Dendrogyra cylindricus</i> |
| 36) _____ Flamboyant Cuttlefish | p) <i>Callyspongia fallax</i> |
| 37) _____ Black Widow | q) <i>Dysidea etheria</i> |
| 38) _____ Praying Mantis | r) <i>Metasepia pfefferi</i> |
| 39) _____ Human | s) <i>Mantis religiosa</i> |
| 40) _____ Wolf | t) <i>Canis lupus</i> |

Word Bank	Arthropoda	bivalve
intestines	mantle	segmented
sponges	wolf	

- 41) The Red Flame Scallop is a _____, meaning they have two hard shells and a soft body.
- 42) The Hookworm is a parasite that lives in our _____.
- 43) Porifera: The phylum of _____
- 44) The _____ is a slender, powerfully built animal with a large, deeply descending ribcage and a sloping back
- 45) The shell of the red flame scallop is secreted by the _____, which is a thin sheet of tissue located between the shell and the body.
- 46) Animals from the genus _____ have exoskeletons
- 47) A leech is a _____ worm that latches on to hosts and sucks the blood out of the host for food.

48) What is a hydro-static skeleton?

49) Why is the hydro-static skeleton better for the species that have it than an actual skeleton?

50) What are the advantages of having a skeleton structure over not having one? List three.
