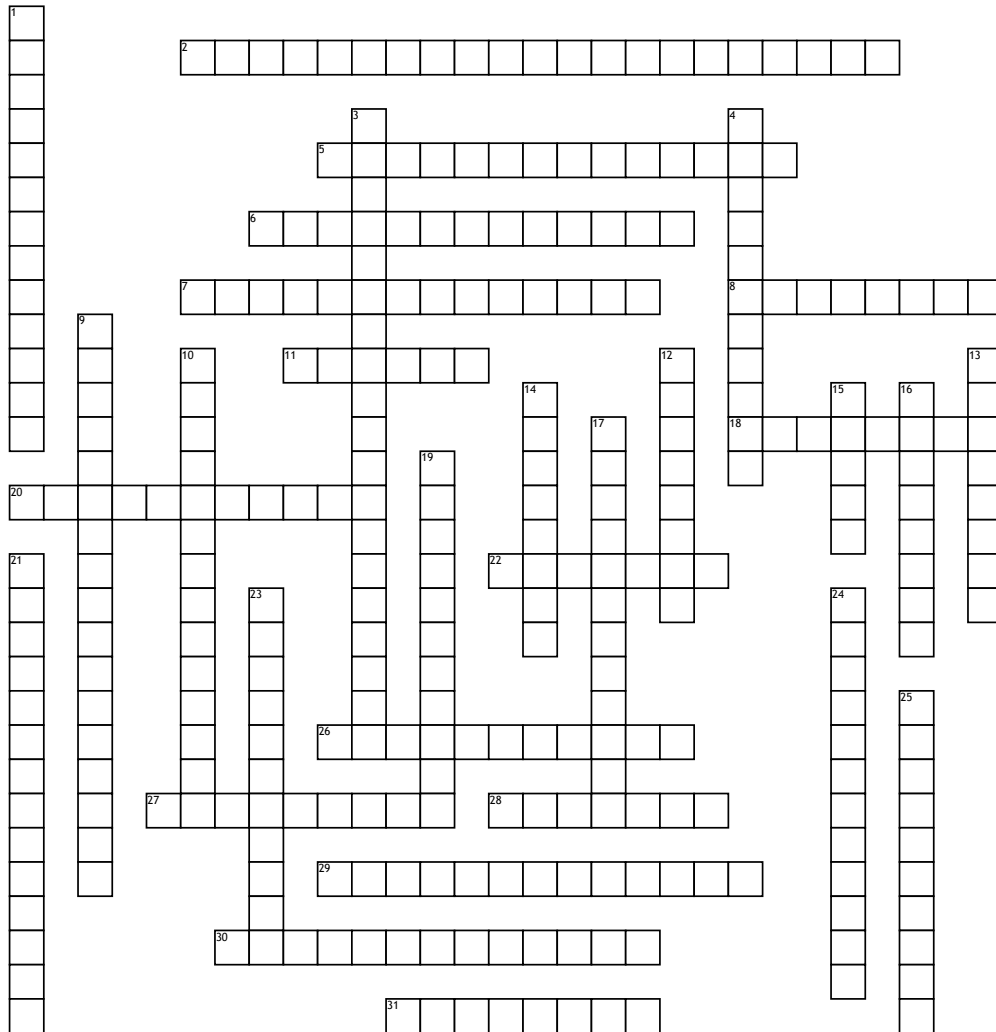


# The 9 Largest Phylum



**Across**

- 2. Take in food and internally digest it.
- 5. Occurs when similar body parts are arranged around a central point like spokes on a wheel
- 6. \_\_\_\_\_ develop anus from blastopore
- 7. Protostomes have \_\_\_\_\_ in which embryonic cells divide in a spiral arrangement.
- 8. All animals reproduce \_\_\_\_\_, but some also reproduce asexually
- 11. The fertilized egg all animals form from
- 18. Forms skin, nerves, and sense organs
- 20. Cells are \_\_\_\_\_ for particular functions
- 22. Most animals with radial symmetry are \_\_\_\_\_ or sedentary
- 26. Most \_\_\_\_\_ have a backbone or spine made of repeating bones called vertebrae that protect the spinal cord.
- 27. Cells lack \_\_\_\_\_ and come in a variety of shapes
- 28. Have the simplest skeleton
- 29. When an animal has sensory organs concentrated on the head

- 30. Contains the greatest number of animal species
  - 31. forms muscles, circulatory system, reproductive and excretory systems
- Down**
- 1. Hold individual cells in a tissue together
  - 3. Make up endoskeletons
  - 4. \_\_\_\_\_ develop mouth from blastopore
  - 9. Animals with \_\_\_\_\_ show cephalization and have anterior and posterior ends
  - 10. Deuterostomes have \_\_\_\_\_ or embryonic cell division parallel or perpendicular to the vertical axis of the embryo
  - 12. New cup-shaped structure with 2 cell layers is called the \_\_\_\_\_
  - 13. The arrangement of body parts around a central plane or axis
  - 14. Forms the digestive and respiratory organs and systems
  - 15. Have fluid-filled internal cavities giving them skeletal support
  - 16. Some animals form a third germ layer in the middle called \_\_\_\_\_

- 17. Found in all vertebrates
- 19. Includes fish, amphibians, reptiles, birds, and mammals
- 21. Provides energy for movement
- 23. Found on the outside of arthropods and limit size.
- 24. Occurs whenever animal bodies are divided into repeating units or segments
- 25. The central cavity of the blastula

**Word Bank**

- |              |                 |                        |                 |                    |
|--------------|-----------------|------------------------|-----------------|--------------------|
| Segmentation | Radial Symmetry | Zygote                 | Radial cleavage | Deuterostomes      |
| Protostomes  | sponges         | Ingestive Heterotrophs | cell walls      | Gastrula           |
| Worms        | Vertebrates     | cartilage and/or bone  | Cephalization   | Ectoderm           |
| specialized  | Spiral cleavage | Invertebrates          | Sexually        | Bilateral Symmetry |
| Sessile      | Mesoderm        | Mesoderm               | Symmetry        | Exoskeleton        |
| Endoskeleton | Muscular tissue | Cell junctions         | vertebrates     | Blastocoel         |
| Endoderm     |                 |                        |                 |                    |