

Bivalve Lab

1. List the 3 main types of mollusks and describe their differences.
2. List the phylum, class, family or order, common name, and genus for each of the specimens 1-12.
3. Describe the interior of the bivalves and the way they obtain food.
4. Describe the 5 major life habits of bivalves.
5. Draw a simplified sketch of the symmetry of bivalves compared to brachiopods (one view of top and one front view of each).
6. Describe the 3 main types of bivalves in terms of the environments where they live.
7. What is the geologic time range of bivalves compared to brachiopods?
8. Describe the evolutionary history of bivalves, particularly focusing on the time of first appearance (their type, size), diversifications, radiations, and morphologic developments that gave them an advantage over brachiopods.
9. Draw a bivalve and label its parts (fig. 9.4).
10. What are rudistids and what did they build?
11. Why are bivalves found mostly as individual shells rather than together as brachiopods are found in the fossil record?