

Historical GEOLOGY 102      Name: \_\_\_\_\_  
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### **Brachiopods and Bryozoans**

1. List characteristics of the Brachiopoda phylum.
2. Describe the symmetry of brachiopods, with words and a diagram.
3. Why are brachiopods shells found with both valves together?
4. Draw one of the fossils in the lab tray with a top and side view (including a scale) and label the following parts: delthyrium, brachial valve, pedicle valve, sulcus, hingeline, growth line, beak, interarea, plication.
5. What geologic era contained the most abundant brachiopods most abundant and had the highest diversity of brachiopods. What happened to change this?
6. Why are the brachiopods useful as guide fossils in the Paleozoic?
7. Identify the type of brachiopod (order) and genus name for each of the specimens in the lab trays.
8. Describe bryozoans (Phylum Ectoprocta) and note how they differ from corals.
9. Draw one of the bryozoans and label the zoarium and zooecium.