

Gill Lamella: UNIO

1. Take a unio, remove shell. Locate the gill lamina and separate the the two folds or lamellae on a slide with the help of forceps.
2. Cut a small piece of gill lamella and wash it with water.
3. Dehydrate in 30, 50 and 70 % alcohol. Stain in borax carmine; dehydrate in 90 % alcohol and 100% alcohol.
4. Clear in xylol and mount in Canada balsam.
5. Study the slide under the microscope, draw the diagram and comment.

Osphradium: Pila permanent preparation

1. Sensory structure, found suspended from the mantle at the base of the left nuchal lobe.
2. Take a pila break its shell and locate the inhalant siphon present on the left side of the body.
3. The osphradium is located on the inner side of the mantle. Remove the mantle and cut its longitudinal section with the help of a sharp blade.
4. Dehydrate in 30, 50 and 70 % alcohol. Stain in borax carmine; dehydrate in 90 % alcohol and 100% alcohol.
5. Clear in xylol and mount in Canada balsam.
6. Study the slide under the microscope, draw the diagram and comment.