

Squid Dissection Write-up

Name: _____ Period: _____ Date: _____

Materials Needed: gloves, eyewear, paper towels, colored pencils, dissecting tray, scissors, probe, 10-15 pins, squid specimen

Procedures:

1. Place squid in the tray funnel side facing up. Identify all external structures and anatomical positions.
2. Use the scissors to snip through the mantle above the funnel all the way up to the tip. Be careful not to cut deep into the specimen damaging the internal organs.
3. Carefully open the halves of the mantle and pin them open to the tray.
4. Use the probe to gently move the internal organs allowing you to identify the required organs.
5. Remove the pins from the squid hold the squid in such a way as to reveal the mouth. Follow the guide directions to expose the beak. Remove the beak, draw and label in the space provided.
6. Make the two pencil drawings matching actual specimen colors and label all structures as required.

Clean Up:

1. Dispose of your specimen and tissue in the designated disposal bag provided.
2. Return all pins to the box and rinse your scissors and probe and tray in the water provided. Dry ALL materials with paper towels provided.
3. Wash your hands with soap and water!!

External Drawing Squid

Label: Dorsal, Ventral, Anterior, Posterior, Head, neck, trunk, tentacles, arms, eye, fins, mantle, funnel, sucker

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Internal Drawing Squid

Label: Dorsal, Ventral, Anterior, Posterior, gills, ink sack, esophagus, stomach, pen, mantle cavity, branchial hearts, systemic heart, kidneys, retractor muscles, pallial cartilages, cecum, gonads

upper and lower
beak structure

Think About it ? Select two questions to write about: 1. How do the funnel, fins and mantle work together to move the squid? ? 2. Why does a squid need two branchial hearts in addition to the systemic heart? 3. Describe one difference between your specimen and the guide illustration