

### **Squid Dissection Outline**

**\*\*Note:** Each student must hand in a completed lab to receive credit. Do not ask your teacher(s) what to do next, follow the instructions in your lab booklet. Do not take any lab booklets, manuals or guides from the lab.

**Materials:**

Dissecting tray,

Dissecting tools including:

scissor,

tweezer,

probe,

pointer needle,

forceps and

scalpels,

preserved squid - **Loligo pealeii**,

beaker,

microscope

**Part 1 Squid External Anatomy**

1. On your lab sheet, draw and label the ventral and dorsal surfaces side by side as shown in your lab booklet. Include all labels including chromatophores, dorsal, ventral, anterior and posterior. Add a label for the head and the sucker cups.
2. Answer questions #1-5
3. Draw a biological diagram of the sucker cups on your lab worksheet in the space provided.

**Part 2 Squid Internal Anatomy**

1. Do questions #6-12
2. Draw and Label the Internal Anatomy of the Squid including arms, tentacles, eye, chitonous beak, liver, esophagus, gill, stomach, ceacum, pen, reproductive organ, brachial heart, systemic heart, ink sac, kidney, rectum, anus, mouth, grasping arm and sucker cups.
3. Draw a biological diagram of the radula and the eye on your lab worksheet in the space provided.
4. Do questions for application #1-5