Name: \_Loz\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Squid Dissection**

**Analysis and Grading Rubric**

**Summary of Observations**

|  | **Structures**  -2 points for properly naming the parts in each category | **Function**  -3 points for explaining/elaborating on each adaptation |
| --- | --- | --- |
| Body Support: What parts helped support and keep the shape of the squid? | The Pen  MANTLE | The pen is flexible and is also very hard which maintains the shape of the squid |
| Body Shape: What was the shape of the squid? | Cylinder Shape | The squid with its shape gives a very small, quick and agile creature to get away from predators. |
| Movement: Describe how a squid moves and the parts it uses. | Siphon  MANTLE  FINS | The squid moves by using its siphon to suck in water into its body and expel it from their system to create jet propulsion providing a quick escape for the squid. |
| Capturing Food: What parts does the squid use to catch and hold onto prey? | Tentacles | The tentacles have suction cups which can grab and damage the prey. |
| Feeding: What parts does the squid use to EAT (ingest) food? | Mouth and beak  TENTACLES | The mouth and beak ingest it using its mouth to swallow it. |
| Digesting: What parts does the squid have to digest or break down food? | Guts  BEAK | The guts break down food and digest it. |
| Obtaining Oxygen: What parts does the squid use to obtain oxygen and eliminate carbon dioxide? | Gills  SIPHON TO EXPEL | The Gills or the squid have freeloading in the mantle, have a high demand for oxygen and have three hearts. |
| Defense: How does a squid defend itself or hide? Which parts help with this? | Ink Sac  COLORING OF MANTLE | The ink sac in the squid has the ability to create a black cloud/smokescreen to get away from enemies. |
| Reproduction: Was your squid male or female? How did you know? | Reproductive organ | I knew my squid was female because the female has sperm located in it while the female has eggs. |
| Senses: What senses and body parts does the squid use to gather information about the environment? | Eyes  BRAIN  TENTACLES | The eyes see the environment and use them to gather information about the environment and the surroundings. |

**Rubric:** For each category above:

|  | **3** | **2** | **1** |
| --- | --- | --- | --- |
| **Structures**  properly naming the parts in each category | | Information is completely accurate and reflects a good understanding of the material. | A few misunderstandings are apparent due to more than one structure missing from the list. |
| **Functions**  explaining each adaptation | Observations show a strong link between the structure and function specific to a squid | Observations show a basic understanding of how the structure and function are related | Observations do not show a link between structure and function or are not specific to squid |