

Name: _____ Period: _____ Date: _____

Shark Dissection

External Anatomy- Lateral View - Drawing #1

Draw an external color drawing of the Shark. Make sure to identify and label the following: Male or female, Dorsal, Ventral, Anterior, Posterior, Rostrum, external nares, spiracle, gill slits, mouth, spine, dorsal fins 1 & 2, pectoral fins, pelvic fins, caudal fin, clasper (male only).



1. What is the phylum of the shark? _____
2. What is the common name of the shark phylum? _____
3. What is the purpose of the lateral line? _____
4. What is the purpose of the Ampullae of Lorenzini? _____

External Anatomy- Ventral View - Drawing #2

Draw an external color drawing of the Shark's ventral head. Make sure to identify and label the following: anterior, posterior, mouth, nostrils, rostrum, Ampullae of Lorenini

Drawing #2	Male	Drawing #3	Female

External Anatomy- Ventral View - Drawing #3

Draw an external color drawing of the Shark's ventral Pelvic region. Make sure to identify and label the following: male and female, anterior, posterior, pelvic fins, cloaca, claspers (male only)

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Internal Anatomy- Ventral View - Drawing #4

Draw an internal color drawing of the Shark's internal organs. Make sure to identify and label the following: anterior, posterior, mouth, heart, liver, spleen, stomach, duodenum, spiral intestine (ilium), rectum (colon), gall bladder, bile duct, pancreas, spleen, testes (male), uterus (female), cloaca



Internal Anatomy- Ventral View - Drawing #5

Draw an internal color drawing of the Shark's internal dissected stomach. Make sure to identify and label the following: Esophagus, stomach lining (rugae), pylorus. Describe what the "last meal" of the shark might have been.

Drawing #5	Drawing #6
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Internal Anatomy- Dorsal Cranial View - Drawing #6

Draw an internal color drawing of the Shark's brain. Make sure to identify and label the following: Optic Lobe, Cerebellum, medulla oblongata

5. How does the shark regulate buoyancy? _____
6. What is the purpose of the "wrinkled form of the rugae? _____
7. Using external structures, How do you determine the sex of the shark? _____
8. List the organs/ structures food passes on its journey through the shark's digestive system:
M_____, **P**_____, **E**_____, **S**_____, **P**_____,
D_____, **S**_____, **I**_____, **R**_____, **C**_____