

Hagfish

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Classification

- Kingdom: Animalia
- Order: Chordata
- Class: Myxini
- Order: Myxiniformes
- Family: Myxinidae
- Genus: Eptatretus
- Species: stouti (Pacific) glutinosa (Atlantic)



Chordates?

- They do not have _____ spines, they have _____ spines.
 - They are considered to be have a _____-vertebrate. We will learn about these later!

Background information.

- Eel-shaped fish.
 - Lacks _____, paired fins, _____, and a stomach.
- Eyes can only detect _____.
 - Relies on _____ and _____.

Hagfish eyes!



Eyespot

More information...

- Has 2 rows of _____ and also 2 _____
_____ rasps.
- Moves like a snake through ocean waters.
- Only has one nostril!



Hagfish mouth

Hagfish summary.

- Better view of the mouth;
 - Remember! No _____.
- Do not have a true vertebrae, but a proto-vertebrae.
- Meaning it has one of the _____.



How do Hagfish eat?

- They are _____ (eat other dead organisms).
 - They will _____ inside dying organisms with their pointed teeth and eat their way from the inside out.
 - They are not considered _____ because the organism is already dying.

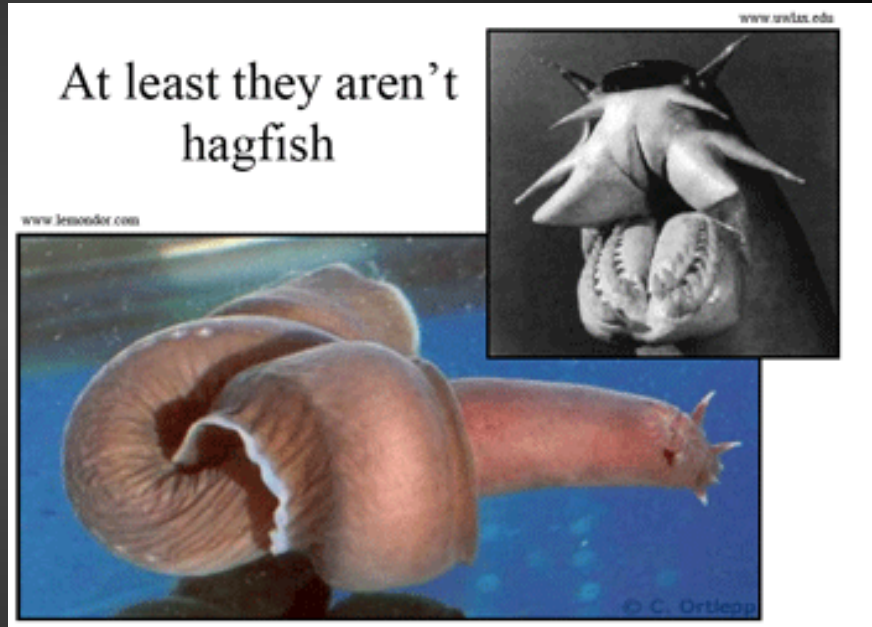
Defense mechanisms

- When predators attack, the Hagfish will secrete mass amounts of _____ and make a quick escape.



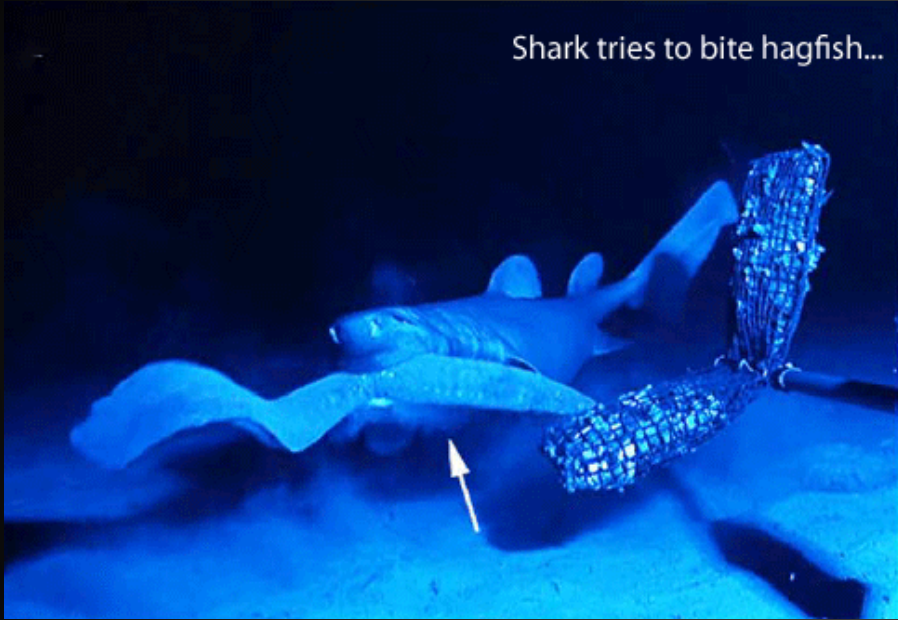
Knot-Tying

- Hagfish tie themselves into _____ to both remove _____ and also to create more _____ when scraping their teeth into prey.



Defense in action.

Shark tries to bite hagfish...



and leaves, choking on slime. Predation FAIL



Slime?!



Hagfish clothes

- _____
in the slime make it
thicker and heavier
when combined
with water.



Hagfish Fun Facts!

- Due to their slow _____, they can go months without food.
 - Can go __ months after eating a large meal.



Fun Facts!

- Hagfish can _____ their slime out of their one nostril.



October 17th!



Happy Hagfish Day



Sad fact;

- Many “_____ - _____” wallets and purses are actually Hagfish skin.
 - They're not even eels!



Hagfish may have been the transition!

- “Suggesting that hagfish may be a _____ between modern fish and invertebrates” (Hagfish Just Got More Disgusting).

Hagfish are cool!

- Always celebrate Hagfish Day!

