

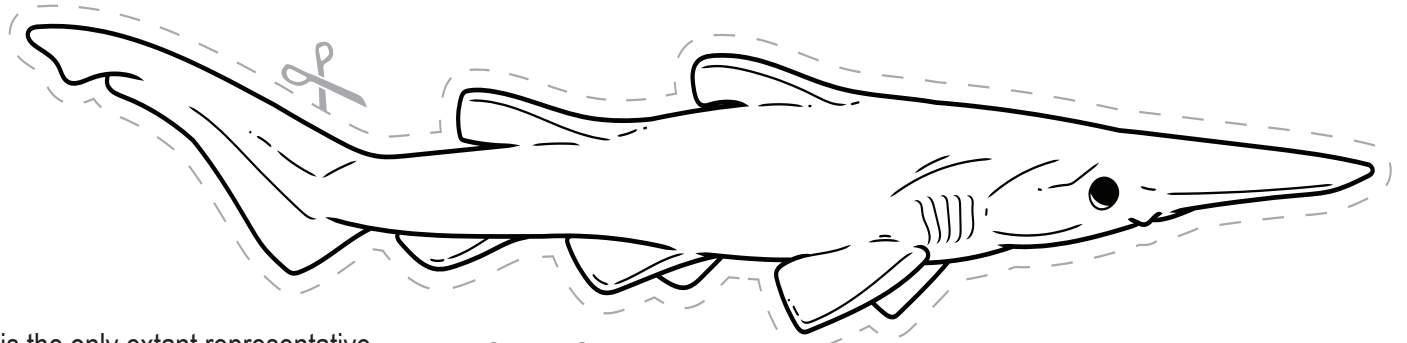
# SHARKS OF THE DEEP

Written by Sharks4Kids with illustrations by Sharktopia



# GOBLIN SHARK

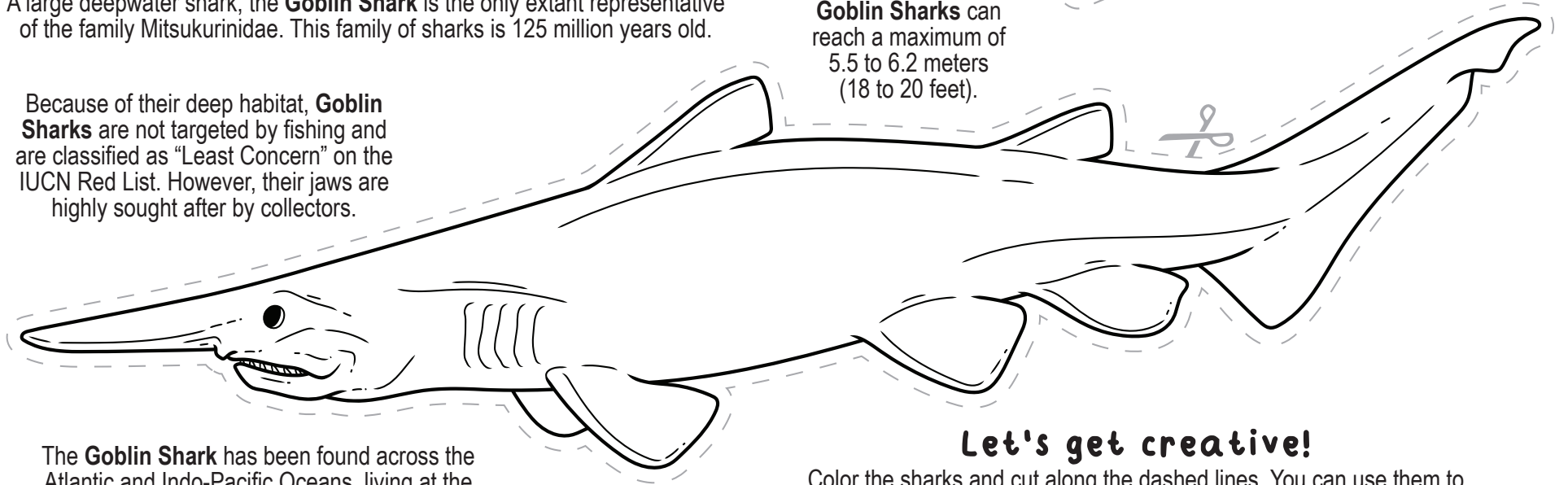
Scientific name: *Mitsukurina owstoni*



A large deepwater shark, the **Goblin Shark** is the only extant representative of the family Mitsukurinidae. This family of sharks is 125 million years old.

**Goblin Sharks** can reach a maximum of 5.5 to 6.2 meters (18 to 20 feet).

Because of their deep habitat, **Goblin Sharks** are not targeted by fishing and are classified as "Least Concern" on the IUCN Red List. However, their jaws are highly sought after by collectors.

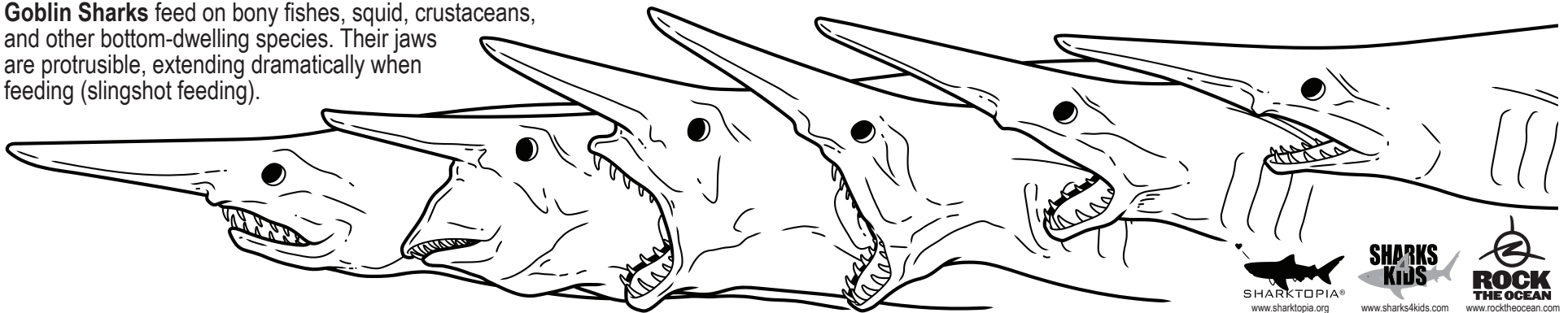


The **Goblin Shark** has been found across the Atlantic and Indo-Pacific Oceans, living at the bottom of the ocean along continental shelves.

## Let's get creative!

Color the sharks and cut along the dashed lines. You can use them to create bookmarks, gift tags, paper puppets (just attach a stick), etc! You can also cut out the 'fun facts' and glue them onto the back of the sharks!

**Goblin Sharks** feed on bony fishes, squid, crustaceans, and other bottom-dwelling species. Their jaws are protrusible, extending dramatically when feeding (slingshot feeding).



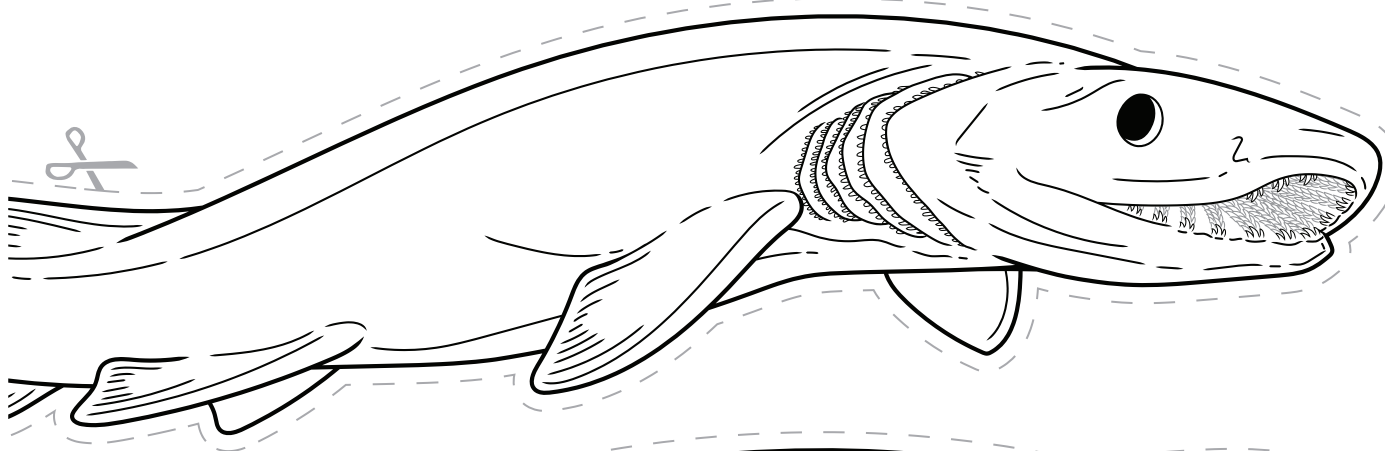
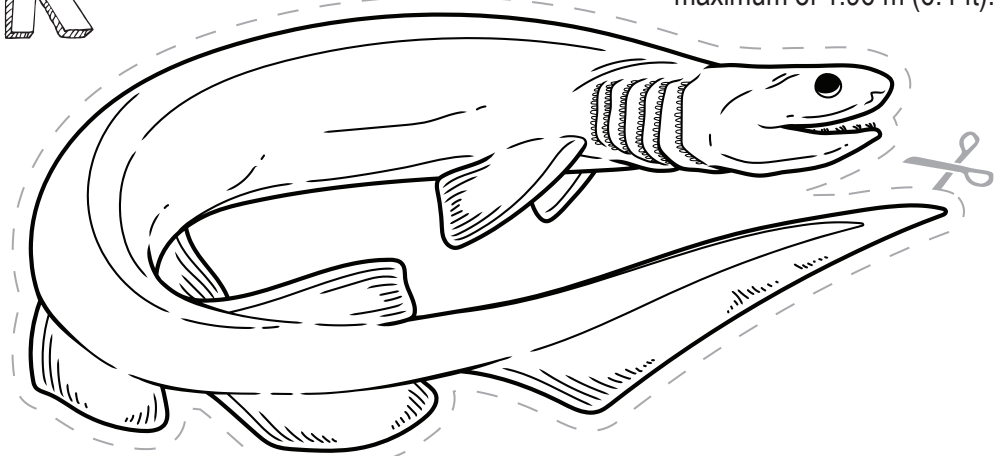
# FRILLED SHARK

Scientific name: *Chlamydoselachus anguineus*

**Frilled Sharks** get their name from the fringed appearance of the six pairs of gill slits at the shark's throat. Their elongated eel-shaped bodies and flattened snake-like heads are unique to their genus and family.

This deepwater species has sporadic distribution in the Atlantic and Pacific Oceans. It commonly occurs at depths of 160–660 ft but has been caught at 5,150 ft.

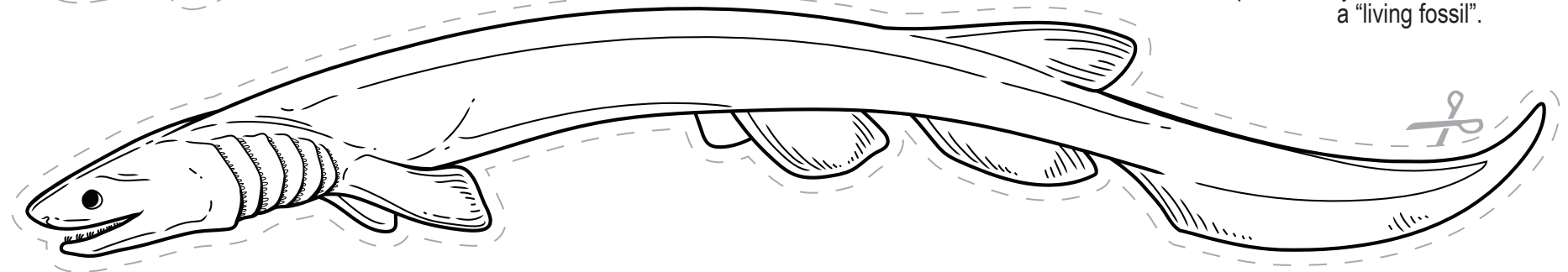
**Frilled Sharks** can reach a maximum of 1.96 m (6.4 ft).



**Frilled Sharks** are classified as “Least Concern” on the IUCN Red List due to their deep water habit and minimal interaction with humans.

The jaws of the **Frilled Shark** are able to greatly expand in order to consume prey more than half its own size.

Because the **Frilled Shark's** family lineage dates to the Carboniferous period, they are often referred to as a “living fossil”.



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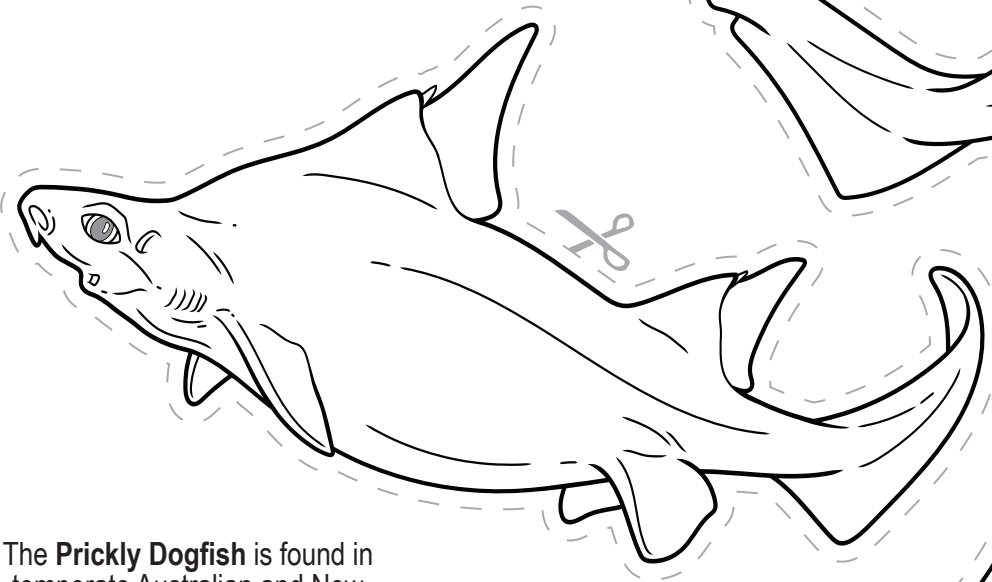


# PRICKLY DOGFISH

Scientific name: *Oxynotus bruniensis*

This deep-water shark has also been referred to as the **Rough Shark**, **Prickly Shark**, or "**Pepeke**" by the Maori people of New Zealand.

**Prickly Dogfish** can reach approximately 76-91 cm (2.5-3 ft).

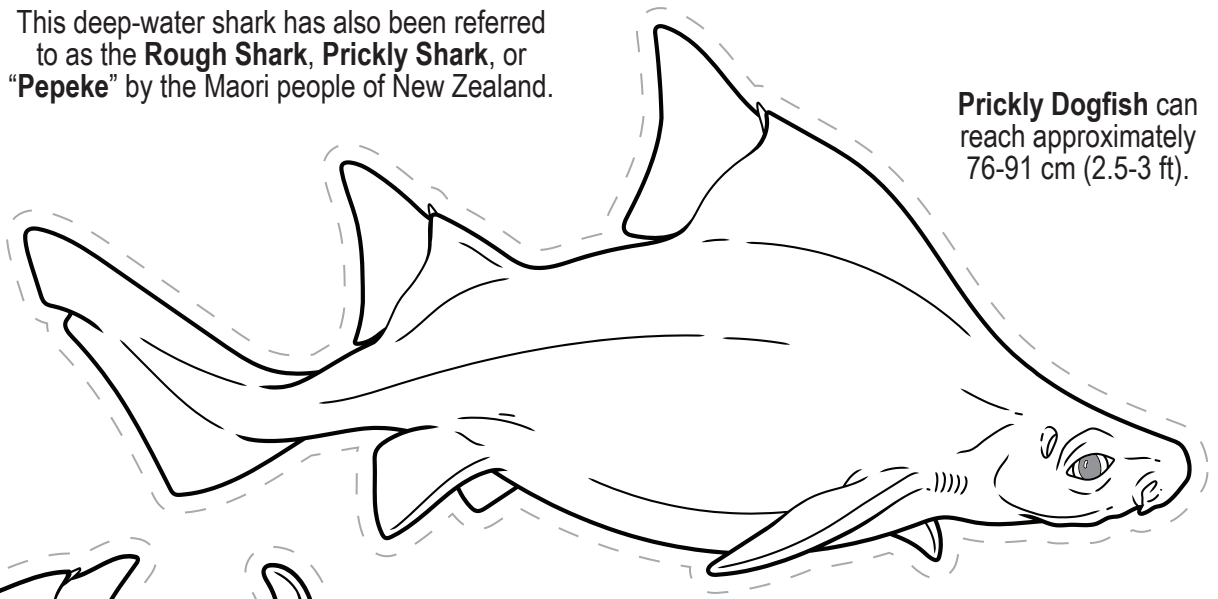


The **Prickly Dogfish** is found in temperate Australian and New Zealand waters. They are typically found between 350 and 650 m (1,150 and 2,130 ft).

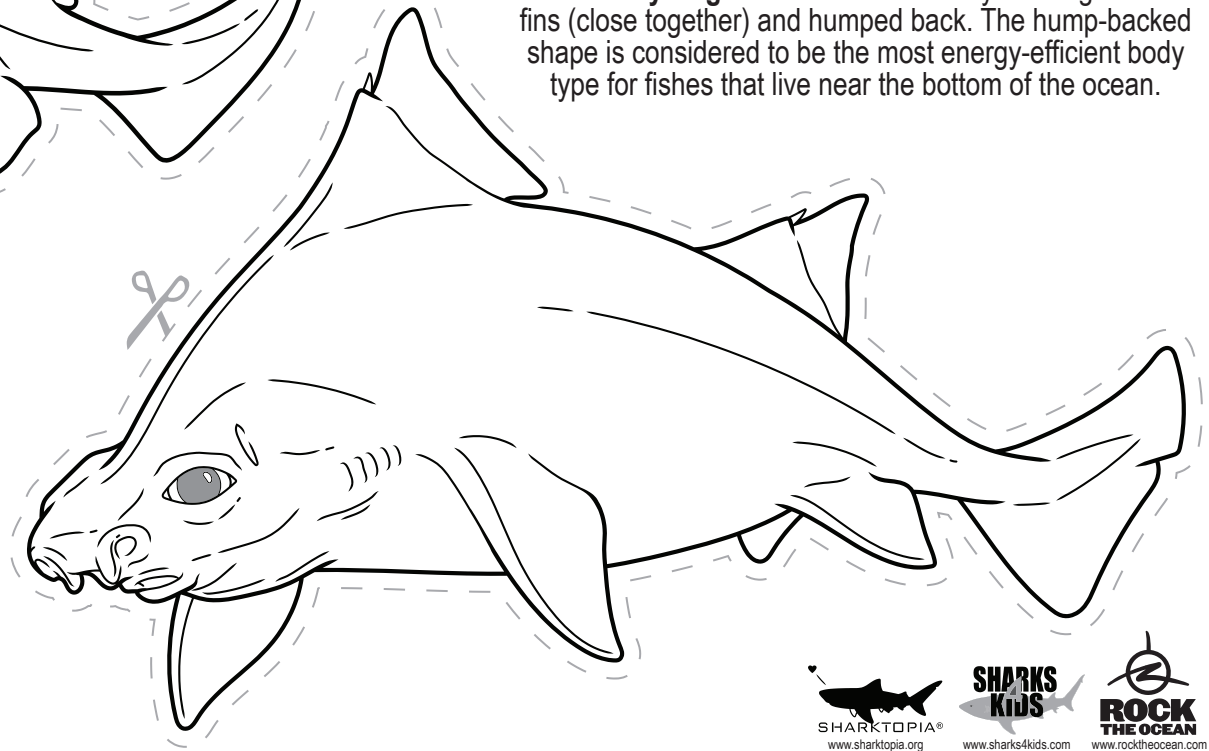
**Prickly Dogfish** are aplacental viviparous, meaning embryos develop inside eggs that are retained within the mother's body until they are ready to hatch.

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The **Prickly Dogfish** is characterized by two large dorsal fins (close together) and humped back. The hump-backed shape is considered to be the most energy-efficient body type for fishes that live near the bottom of the ocean.





# VELVET BELLY LANTERNSHARK

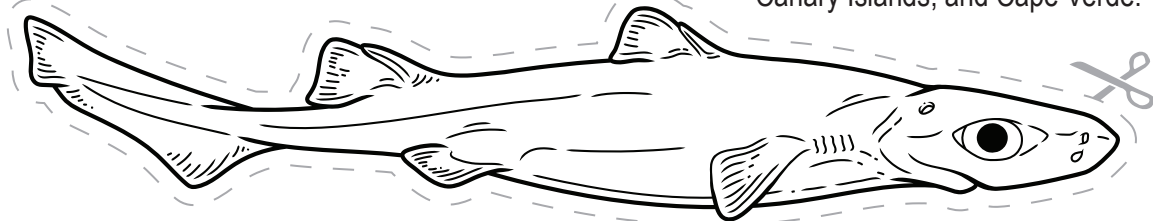
Scientific name: *Etmopterus spinax*

The **Velvet Belly Lanternshark** is bioluminescent like other lanternsharks. They have light-emitting photophores (glandular organs) that form specific patterns over their abdomen and flanks. The shark's bioluminescence may also serve a social function aiding communication between members of the same species.

This deepwater shark is found in the east Atlantic Ocean from Iceland to Gabon in the western Mediterranean, the Azores, the Canary Islands, and Cape Verde.

The **Velvet Belly Lanternshark** is classified as "Least Concern" on the IUCN Red List.

The **Velvet Belly Lanternshark** can reach a maximum of 55 cm (1.8 ft).



# VIPER DOGFISH

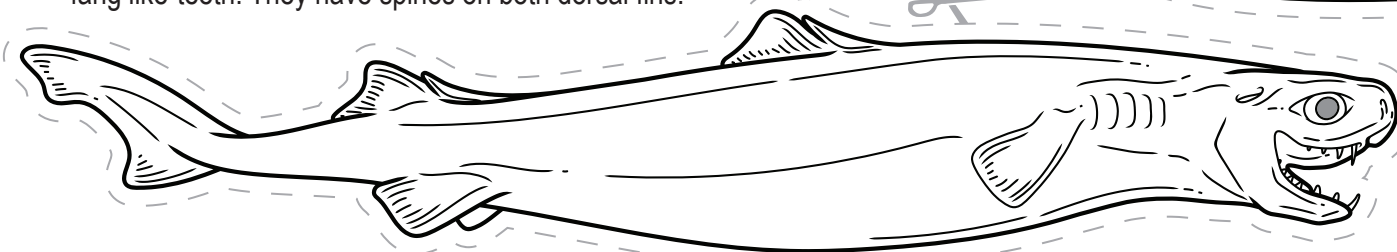
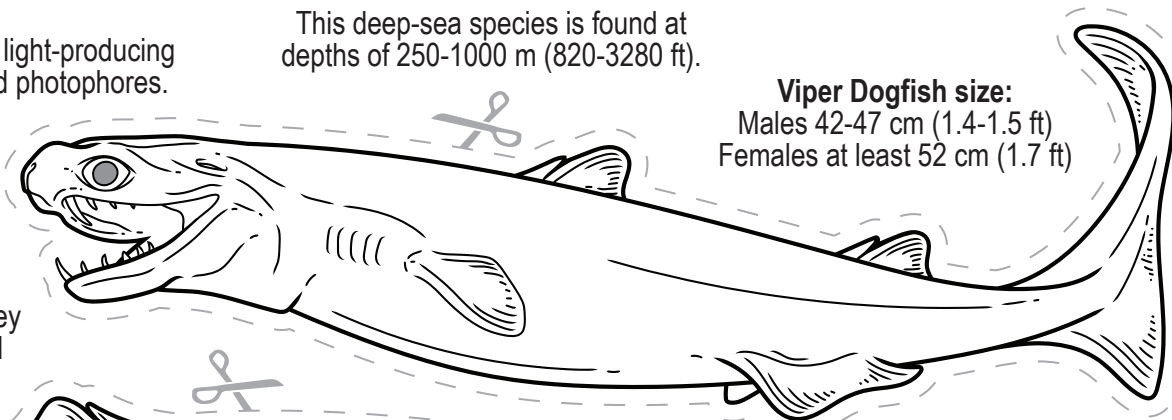
Scientific name: *Trigonognathus kabeyai*

The **Viper Dogfish** is a relatively small species of shark. They can be identified by their long snake-like mouth and curved fang like-teeth. They have spines on both dorsal fins.

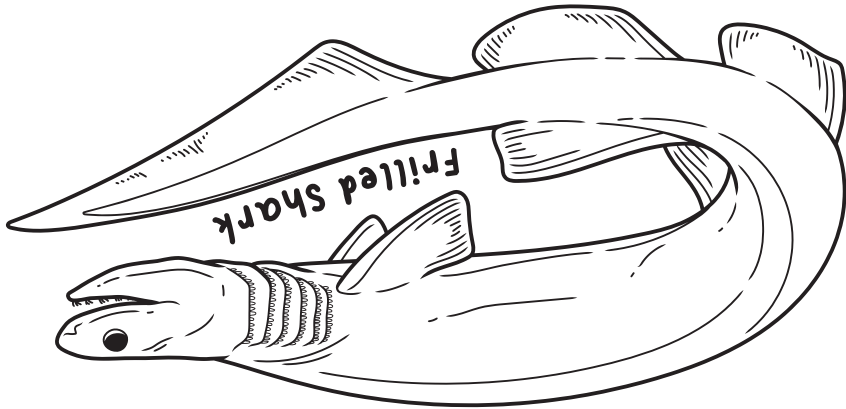
They have light-producing cells called photophores.

This deep-sea species is found at depths of 250-1000 m (820-3280 ft).

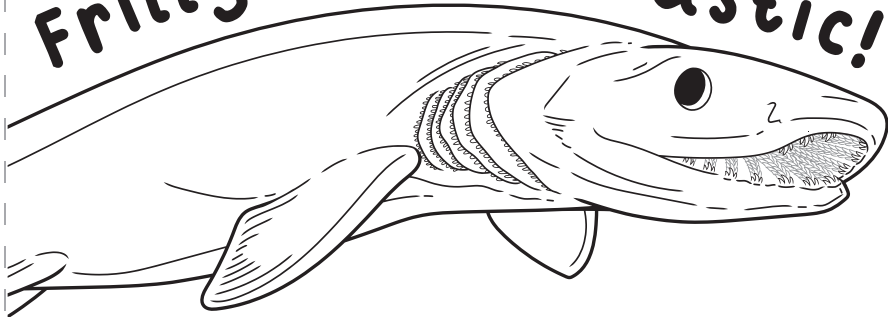
**Viper Dogfish size:**  
Males 42-47 cm (1.4-1.5 ft)  
Females at least 52 cm (1.7 ft)



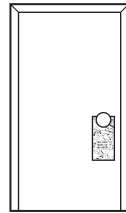
**Viper Dogfish** give birth to live young (viviparous) and have a possible litter size of 25-26 pups.



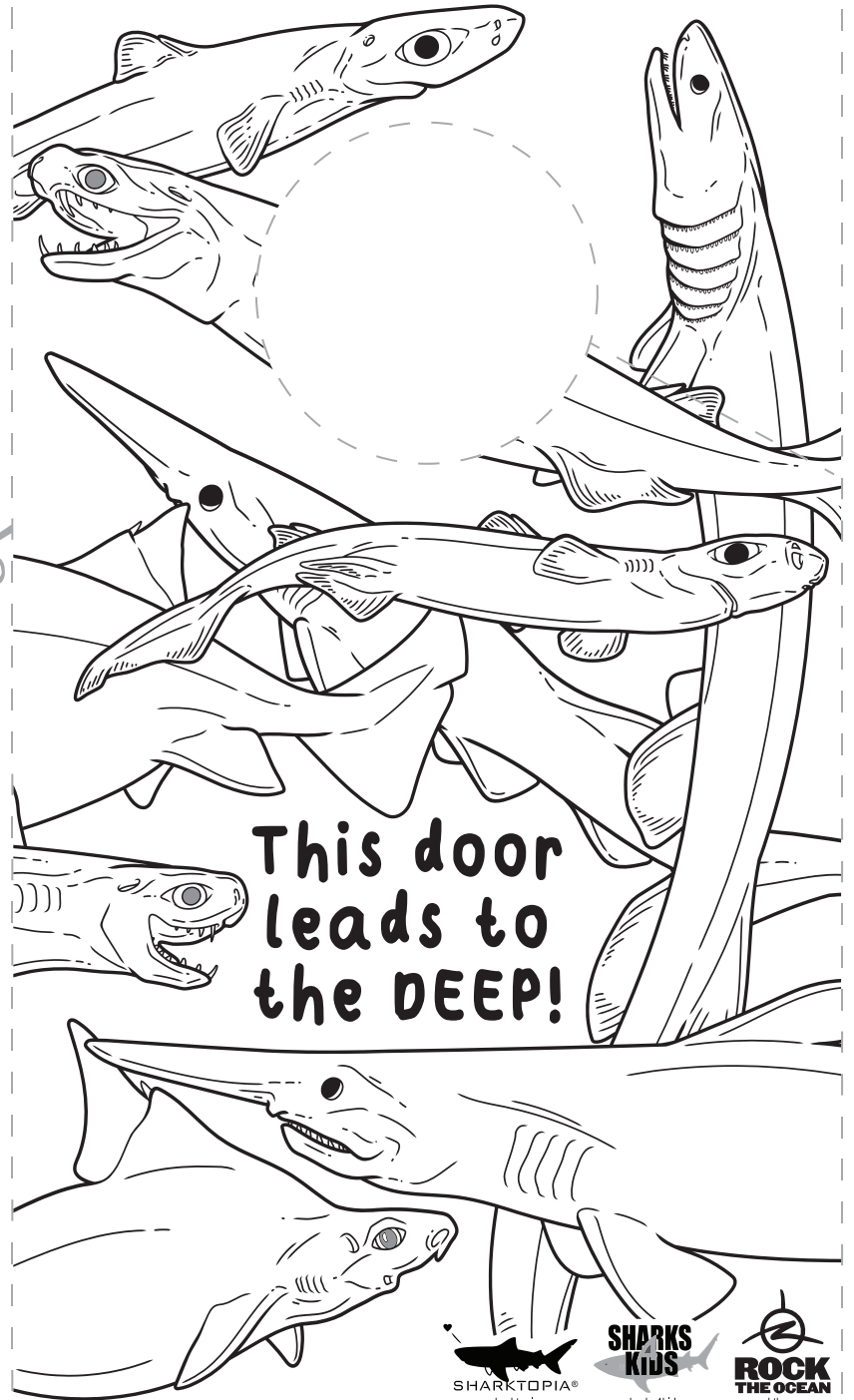
**Frippy and FINTastic!**



Color the sharks, cut along the dashed lines, fold in half, and create a mini card!



Color and create a mini door hanger! Cut along the dashed lines (including the circle and angled line) and hang it on your door!



# SHARKTASTIC WORD SEARCH

B J D L L K L S V G Z M E D D W E X N N  
 I D P Q L M V B I Q W L A C T M S W L E  
 O E H R P Y T A P G S H G H N F V M T L  
 L E O G Q B R F E P E P E K E O G Q S D  
 U P T I H G V E R C J F T M I E J Y Z J  
 M W O G N D F O D V I V I P A R O U S C  
 I A P E V M M F O C N T I R Q S S Y R K  
 N T H F T K Y E G N T R C H T W T F R N  
 E E O Y S P I H F T H L L T G O B X A I  
 S R R V V G P R I C K L Y D O G F I S H  
 C N E E G S D Y S T L U B M N C C F D J  
 E U S L B Q L B H M H H C M E W B N R A  
 N N N V L A N T E R N S H A R K X V Y B  
 T K T E C A R B O N I F E R O U S W E X  
 U M I T S U K U R I N I D A E V O F M H  
 T Y M B M T T W O C G S F Z A M T R L Y  
 E L F E K C K U K P V N P B E B S X W O  
 H V I L M M Q T Q Z W V O D F A E H W T  
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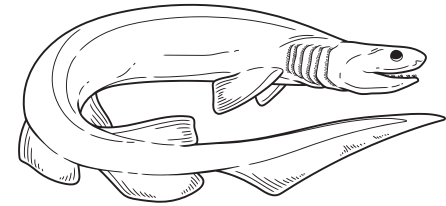
**Dive into this word search and find the 13 words below!**

*Hint: They are only horizontal and vertical - not diagonal.*

GOBLINSHARK BIOLUMINESCENT DEEPWATER PEPEKE PHOTOPHORES  
 LANTERNSHARK FRILLEDSHARK VIPERDOGFISH CARBONIFEROUS  
 VIVIPAROUS MITSUKURINIDAE PRICKLYDOGFISH VELVETBELLY

**Name these sharks!**

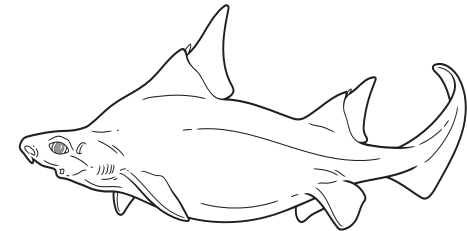
Write the name of each species on the lines below.



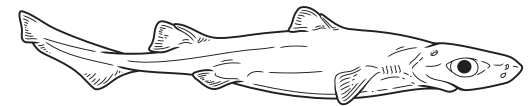
1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_

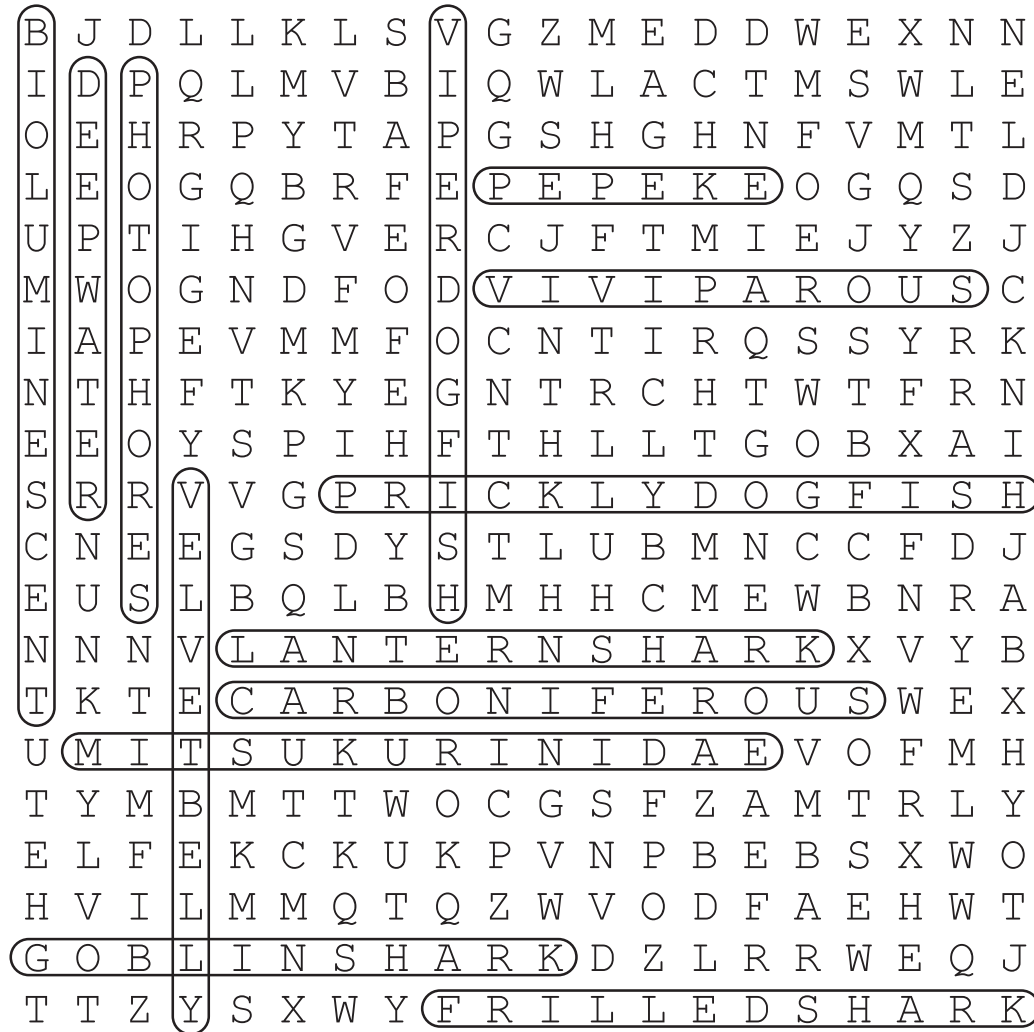


4. \_\_\_\_\_



5. \_\_\_\_\_

# SHARKTASTIC WORD SEARCH



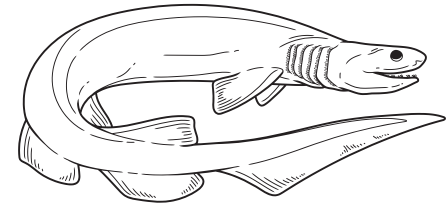
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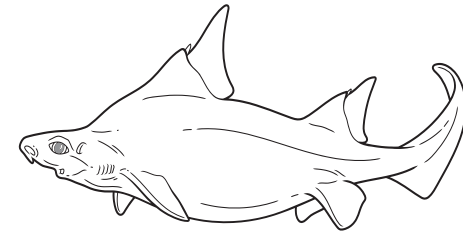
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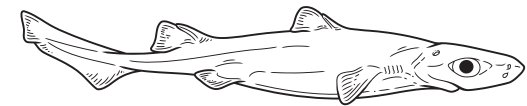
1. \_\_\_\_\_ FRILLED SHARK



2. \_\_\_\_\_ GOBLIN SHARK



3. \_\_\_\_\_ PRICKLY DOGFISH



4. \_\_\_\_\_ VELVET BELLY LANTERN SHARK



5. \_\_\_\_\_ VIPER DOGFISH