

TALES FROM THE POD

Lily

A GRAY WHALE'S ODYSSEY

By "Capt. Dave"
Anderson
Foreword by
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Name: _____

Future Caretaker Study Guide



Chapter 1

The Beginning

Take a guess! What do you think this story is about?

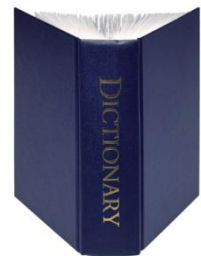
1. Vocabulary Words

Match each word with a definition.

1. harpoon _____ 3. tail fluke _____

2. barnacle _____

- A. Any of various marine crustaceans (of the subclass Cirripedia) that in the adult stage form a hard shell and remain attached to submerged surfaces, such as whales, rocks and ships' bottoms.
- B. A spear-like weapon with a barbed head used in hunting whales and large fish.
- C. Either of the two horizontally flattened divisions of the tail of a whale.



2. Map Search



Locate and label each location listed below on your map.

- Dana Point, CA
- United States of America

3. Story Time

Fill in the blanks below.

1. Lily is a _____ foot California gray whale.
2. Lily came and stayed in the _____ harbor for 2 days.

4. End of Chapter Questions

1. Why did Lily come and stay in the harbor?

2. What is Arielle's special gift?





Chapter 2

Lily and the Lagoon

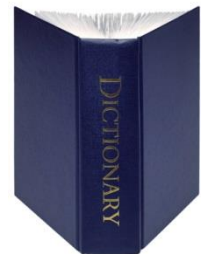
1. Vocabulary Words

Match each word with a definition.

1. lagoon _____

2. breaching _____

- A. A shallow body of water, especially one separated from a sea by sandbars or coral reefs.
- B. A whale leaping from the water.



2. Map Search



Locate and label each location listed below on your map.

- Mexico
- Baja California, Mexico
- San Ignacio Lagoon, Baja California, Mexico

3. Story Time

Fill in the blanks below.

1. But Mom never ate anything because there was nothing to eat in the _____.
2. We _____ use several different lagoons.
3. The lagoon is the only place we are truly safe, and it is the only place we can completely _____ the Caretakers!
4. Gray whales can be found _____ outside the entrance to San Ignacio Lagoon, some going back over and over to ride the waves.

4. End of Chapter Questions

1. What are 3 characteristics of a mammal whale?

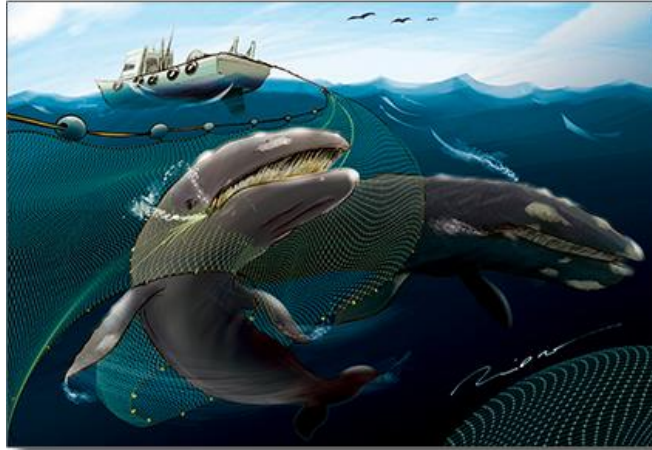
2. How many pounds a day does a gray whale calf grow feeding on their mother's milk?

3. How long do 81% of gray whales stay in the San Ignacio Lagoon?

4. San Ignacio Lagoon, also known as “Laguna San Ignacio”, is located in what ocean?

5. What may be the only place in the world where a “non-researcher” can touch a huge baleen whale in the wild?





Chapter 3

Whale Traps

1. Vocabulary Words

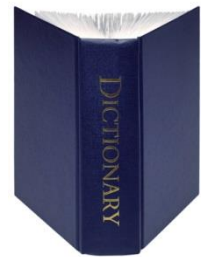
Match each word with a definition.

1. baleen whale _____

2. flipper _____

A. A broad flat limb (as on a seal or whale) used for swimming.

B. Any whale lacking teeth but having baleen for filtering small ocean animals (such as krill) out of seawater.



2. Map Search



Locate and label each location listed below on your map.

- Monterey Bay, CA
- False Pass, AK

3. Story Time

1. Dolphins and whales are believed to sleep with only _____ their brain at a time.

2. Gillnets are one of the worst nets for whale and dolphin _____.

4. End of Chapter Questions

1. Who are the whale killers?

2. At what depth do whales swim while migrating?

3. How far do the gray whales travel in 24 hours?

4. Why do gray whales breach?

a. _____

b. _____

c. _____

d. _____

5. How do whales get trapped?

6. Explain why whales are voluntary breathers? _____

7. How do gillnets work? _____



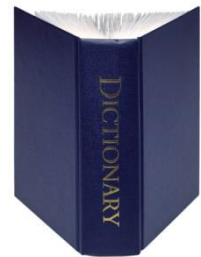
Chapter 4

Whale Killers

1. Vocabulary Words

Match each word with a definition.

1. harbor _____ 3. kelp _____
2. buoy _____ 4. echolocation _____



- A. Any of various large brown seaweeds.
B. A part of a body of water protected and deep enough to be a place of safety for ships.
C. Dolphins and other toothed whales, like sperm whales, can find things underwater by sending a series of clicks that bounce back to them.
D. A floating object anchored in a body of water to mark a channel or warn of danger.

2. Map Search



Locate and label the location listed below on your map.

- State of California

3. Story Time

Fill in the blanks below.

1. "I told her that my dad could help. He was just trained to do so in that big _____ in the harbor."
2. As we bolted past a whistle buoy with California _____ on it, I could hear the woo-woo sound the buoy made as it bobbed up and down in the swell.
3. Killer whales are the _____.
4. Hiding in the _____, my mom looked me over then whispered, " _____."
5. Toothed whales, Odontocetes, have _____ blowhole and Baleen whales, Mysticetes, have _____ blowholes.
6. NOAA estimates as many as _____ percent of gray whale calves may be killed by _____.

4. End of Chapter Questions

1. How do gray whales know which direction to migrate?

2. Give an example of thermoregulation. _____

3. What is the difference between transient and resident killer whales?

4. Why was Lily easy prey for the killer whales?

5. How did Buddy help Lily?

5. Bonus Question

Have you ever stood up for a relative, friend or stranger, when you saw others teasing or hurting them? Write your experience.



Chapter 5

All Scratched Up

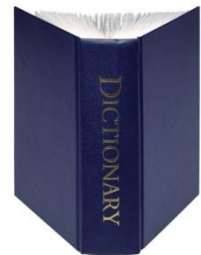
1. Vocabulary Words

Match each word with a definition.

1. krill _____

2. amphipods _____

- A. Small crustaceans and their larvae that make up plankton and form a major food of baleen whales.
- B. Any large group of small crustaceans including the sand fleas and related forms.



2. Map Search



Locate and label the location listed below on your map.

- State of Oregon

3. Story Time

Fill in the blanks below.

1. Our flippers and flukes had lots of bite marks from those Killers, but that wasn't the only _____ they left on me.
2. At one of the places we stopped, we surfaced to find a _____ of _____ just ahead of us.
3. One day we saw a big _____ eating clams on a beach.

4. End of Chapter Questions

1. What is one good thing that happened as a result of the Killers attacking?

2. What is usually hard for gray whales to catch and eat? _____





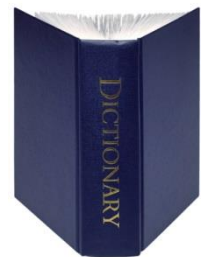
Chapter 6

The Coldest Place

1. Vocabulary Words

Match each word with a definition.

1. humpback whale _____ 3. walrus _____
2. narwhals _____ 4. foraging _____



- A. A large mammal of cold northern seas that is related to the seals and has long ivory tusks, a tough wrinkled hide with a thick layer of blubber below, stiff whiskers, and flippers used in swimming, diving, and moving about on land.
- B. An arctic sea mammal that is about 20 feet (six meters) long, is related to the dolphins and whales, and the male has a long twisted ivory tusk.
- C. A large baleen whale that is black above and white below and has very long flippers.
- D. To make a search especially for food or supplies.

2. Map Search



Locate and label each location listed below on your map.

- State of Alaska
- Point Barrow, Alaska

3. Story Time

Fill in the blanks below.

1. But first we had to go through The _____ where Killers often wait for us.
2. Close to the action were two terrified Pacific white-sided _____, fleeing toward a nearby kelp bed where they could hide.
3. In The Coldest Place, we often saw Caretakers setting _____, what you call fishing nets, so we were constantly looking out for them.
4. Gray whales normally don't need to dive any deeper than about _____ ft. (30 meters) but they can dive to about _____ ft. (120 meters).
5. They sometimes even eat us, like the _____.

4. End of Chapter Questions

1. What Strait, near Unimak Island, Alaska, is known for killer whale attacks on gray whales? _____
2. How did the Pacific white-sided dolphin make the Killer's danger call? _____

3. Approximately how many killer whales have been spotted at False Pass during May and June? _____

4. How do gray whales eat? _____

5. What were the aboriginal hunters trying to catch? What weapon did they use?

6. In Russian waters, how many gray whales can be legally hunted each year?

7. What are two ways that gray whales sustain their body temperature?

8. In 1988, how were three gray whales rescued after they were discovered trapped in a small hole in the ice near Point Barrow, Alaska?

9. When do gray whales usually begin their long journey back to Baja?

10. What is the name of the green lights Lily saw in the sky?



Chapter 7

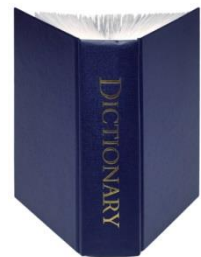
A Long Way to the Lagoon

1. Vocabulary Words

Match each word with a definition.

1. sea otter _____ 3. peduncle _____
2. bow (of a ship) _____

- A. A marine mammal of northern Pacific coasts that feeds mostly on shellfish (clams, crabs, and sea urchins) and can grow to nearly six feet (two meters) in length.
B. The stock of a whale's tail flukes.
C. The forward part of a ship.



2. Map Search



Locate and label the location listed below on your map.

- State of Washington

3. Story Time

Fill in the blanks below.

1. He vowed to help other _____ in trouble if he ever ran across any.
2. Maybe you can have a look and tell me which way to thrash and _____ to untangle myself?
3. Buddy even caught a few _____, tore them up a bit and then he spit them out for me to eat.
4. After awhile, I used up what was left of my reserves, and every day that passed I became _____ and weaker.
5. Usually goodbyes were easy for us whales because we keep running into each other on our _____, but this was the hardest goodbye ever.

4. End of Chapter Questions

1. During the gray whale's migration, what kind of food will they stop and eat?

2. Do gray whales have tear ducts? _____

3. How do gray whales moisten and clean their eyes? _____



Chapter 8

The Disentanglement

1. Vocabulary Words

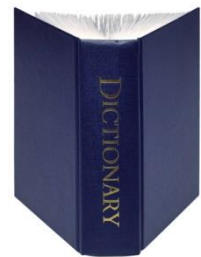
Match each word with a definition.

1. disentanglement _____

2. V-shaped jam knives _____

A. Have a cutting edge on the inside of the V so that they won't cut into the whale.

B. To remove an animal from a fishing net or gear.



2. Map Search



Locate and label the location listed below on your map.

- Canada

3. Story Time

Fill in the blanks below.

1. They called Mr. Joe at the _____
_____.
2. Orange County didn't even have a _____
group back then, so I organized one and convinced Mr. Joe to train us.
3. They found she had _____ wrapped around her tail flukes and her peduncle area (stock of her tail flukes).
4. Also, if Lily started swimming too fast, they could attach more _____ to slow her down.
5. Arielle then explained how the _____ worked.
6. They had to be very careful working so close to Lily's powerful _____ flukes.
7. Lily had thousands of miles to _____ to The Coldest Place.
8. More whales, porpoises, and _____ die every year by getting entangled in fishing gear than from any other cause.

4. End of Chapter Questions

1. How powerful are gray whales? _____

2. Who trained Captain Dave and others on disentanglements? _____

3. Why is it dangerous for the rescue crew to get into the water with the whale?

4. How does the disentanglement team get the netting and rope off? _____

5. Were the jam knives a success? _____

6. How did the disentanglement team get the nets and ropes off Lily? _____

7. What do whale lice eat? _____

8. What is a marsupium, which is found on female lice? _____

9. How many dolphins and whales are dying in nets and fishing gear **every day** around the world? _____





Chapter 9

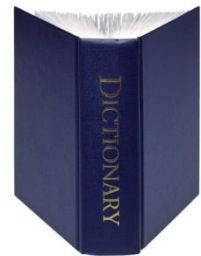
Can Someone Please Help Lily?

1. Vocabulary Words

Match each word with a definition.

1. blue whale _____ 3. X-pod _____
2. hydrophone _____

- A. The underwater viewing pod on Captain Dave's boat, the Manute'a.
B. A whale that may reach a weight of 150 tons (135 metric tons) and a length of 100 feet (30 meters) and is generally considered the largest living animal.
C. An instrument for listening to sound transmitted through water.



2. Map Search



Locate and label the location listed below on your map.

- Doheny Beach, CA

3. Story Time

Fill in the blanks below.

1. There were over _____ common dolphins in this herd.

4. End of Chapter Questions

1. What is the X-Pod and what is it used for on the Manute'a? _____

2. How do dolphins catch sardines? _____

3. According to NOAA, Southern California has the greatest density of what, per square mile, of anywhere in the world? _____

4. What kind of whale is Big Al? _____

5. How long is Big Al? _____

6. What does a whale's foot print look like? _____

7. According to Cascadia Research and NOAA, California has the largest concentration of what on earth? _____

8. How far can a blue whale's low frequency sound travel? _____



Chapter 10

Lily Says Goodbye

1. Map Search



Locate and label each location listed below on your map.

- Africa
- Haiti

2. Story Time

Fill in the blanks below.

1. The boat was almost back to the harbor, and she was supposed to help package meals for _____ in Africa and Haiti with her mom and others from her church.
2. "I tell you the _____. What you have done for my Lily will never be forgotten!" proclaimed Lily's mom.

3. End of Chapter Questions

1. What organization did Arielle help pack meals for? _____

2. How did Arielle see Lily from home? _____

With your parent's permission, please visit www.whalewatchingtv.com, to see live whale watching.

3. What can you do to help protect the whales, dolphins and other sea creatures that are dying in commercial fishing nets every day?

