

# Noble County Mini 4-H



# Whales and Dolphins



## Mini 4-H Helper's page

Welcome to the Mini 4-H Program! Mini 4-H is designed for children in grades K-2 to explore a variety of project activity areas and to interact with caring adults and other children.

Children receive this project activity manual when they enroll in Mini 4-H. This manual and the manuals on various other topics will provide fun, age-appropriate learning activities throughout their year(s) in Mini 4-H.

As a Mini 4-H adult helper, your job will be to guide and encourage each child through the activities. A wide range of activities is provided to allow you to choose the ones most appropriate for the children you are working with. It is strongly suggested that you do not complete the activities for them, instead help them, guide them, work with them and let them do all that they possibly can. 4-H believes in allowing children to learn by doing. The Mini 4-H project activities are hands-on learning opportunities designed to provide a meaningful educational experience for youth.

Additionally, the Mini 4-H program is set up to allow children to display a project activity that is based upon information in this manual. Some children may want to exhibit at the 4-H Fair. The 4-H Fair is an exciting week that allows community youth to showcase their enthusiasm for learning. Children may choose to display a project activity they did by themselves or one they did with a group. Other children may choose to showcase their work in other ways, such as displaying it in a special place in their own home.

Mini 4-H is fun! Children will certainly enjoy it. You can have fun too, by guiding and helping as children participate in the program. Encourage and praise the children as they have fun learning and sharing with you. If you have any questions regarding Mini 4-H or other 4-H programs, please contact the Extension Office in your county.

## Helper's Tips

The Mini 4-H Program can be used with individual children, but it works best when used in a group of 2 or more children. Children working cooperatively in groups develop positive images of themselves and their ideas. Other ways adult helpers can maximize the benefits of Mini 4-H are to:

- **Work on a subject interesting to the child by encouraging children to choose the content area.** Look through this manual and choose the project activities based on the interests and skill levels of the children
- **Relax and have fun.** Some children will want to finished their activities, others may not. There is no need to pressure children of this age to finish an activity, because the real learning takes place while they participate in the activity and interact with others. The finished project should not be the main focus. The knowledge children gain while they explore new areas and experiment with new ideas should be the primary goal.
- **Remain flexible and adapt to the changing needs of the children.** Restlessness or boredom may indicate a need to stop the activity and come back to it later.
- **Encourage children to talk and work with each other.** Children learn best when they are encouraged to freely share their reactions and observations. You may want to ask the children about what they did during an activity, what happened, what was the easiest, and what they like the most.

This manual contains activities for children that allow for a wide range of abilities and provide practice for developing a variety of skills.



## Mini 4-H Page

Mini 4-H'ers have lots of fun! There are many activities for you to explore. You can try new things. You can share them with your friends and family.

Here are some things to know about 4-H.

The 4-H symbol is a four-leaf clover with an "H" in each leaf. Clover is a plant that grows in fields, yards and along roadsides. Most clovers have three leaves. Sometimes, if you look very carefully, you may get lucky and find a special clover with four leaves. A four-leaf clover is used as the symbol for 4-H to let everyone know 4-H is a special kind of group.



The 4-H colors are green and white. The four-leaf clover is green and the "H" in each leaf is white.

A group motto is a saying that tells people what is important to the group. The 4-H motto is "To make the best better." When something is better than all the others it is the best. Think about a time when you did your best. Maybe you threw a ball farther than you have ever thrown it before. Now, think about some ways you could do better. You may be able to throw farther by practicing for a while or by watching someone who can throw farther than you, to see how they throw so far. Even if you throw the ball farther than you have ever thrown it before. There are still ways that you can do better the next time. 4-H encourages you to always try to do better, even if you are doing the best you have ever done.

*"To make the  
best better"*

## The 4-H Pledge

A pledge is a promise you make to yourself and to the people around you. The 4-H pledge is a bold print below.


I pledge...


my **head** to clearer thinking,  
my **heart** to greater loyalty,  
my **hands** to larger service, and  
my **health** to better living for  
my **club**, my **community**,  
my **country**, and my **world**.


What do these words mean?

I Pledge my Head  to clearer thinking, means I promise to use my head to make good choices.

My heart  to greater loyalty, means to use my heart to be a good friend.

My hands  to larger service, and, means to use my hands to do helpful things for others.

My health  to better living, means to take care of my body and to show others how to live in a healthy way.

For my club, my community, my country  and my world, means to help my group, my community, my country and my world be happy and safe for everyone.



# The Oceans



Oceans and seas cover 70% of the Earth's surface. From space, the Earth looks blue. This is because these waters are the biggest part of our earth.

There are two different kinds of waters. The first is *fresh water*. Fresh water is the kind of water found in lakes and rivers. This is the kind of water that we drink. The second kind of water is *salt water*. Salt water is found in the oceans. Salt water is not safe for us to drink.

There are many animals that can drink salt water. These animals live in the oceans. Some of these animals we can see. Others we cannot see.

Have you ever been to an ocean? What did you see? What did you hear? How did the water taste? What sea life did you see?

If you have not been to an ocean, what do you think it might be like?



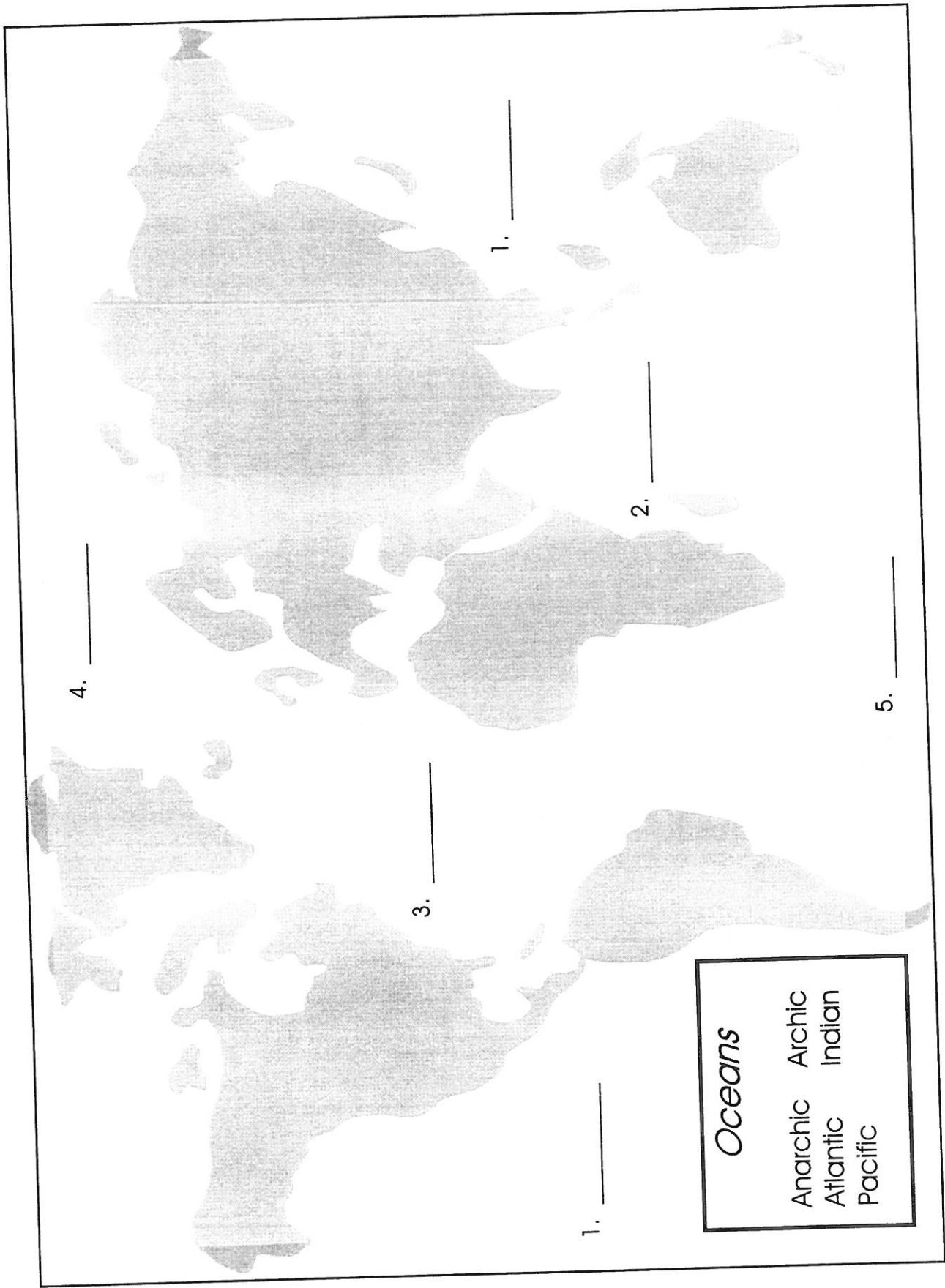
## Activity 1 — The Ocean Map

*You will need these things:*

- crayons, colored pencils or markers
- the World Map on the next page

*Here is what you do:*

1. Color the World Map. Use green for land and blue for water.
2. Match the oceans with their name. It's okay if you need to ask for some help.





*Let's Fish!*

Which takes up more space on the map: the ocean or land? \_\_\_\_\_

Which oceans did you know? \_\_\_\_\_

Who helped you with the oceans that you did not know? \_\_\_\_\_

Where did you look to find all the ocean names and their places? \_\_\_\_\_

\_\_\_\_\_



## The Underground World



There are many animals that live on dry land. There are also many animals that live in the water. Can you name a few?

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

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

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

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

Another neat thing about oceans is the land under water. Just like dry land, there are mountains, volcanoes, valleys and many plants.

Some parts of an ocean are not deep. This is because this part is on top of a mountain. Some parts are very deep. This is a valley between two mountains. If you could look under the ocean, you might find areas that have hot water or steam bubbling out of them. This is a volcano.

A pretty part of an ocean is the plant life. There are big plants, almost the size of trees. There is little plant life like grass.

Find a book about oceans. It will tell you about the different plants. It will also tell you about the many animals living under water.



## Activity 2 — Under the Ocean

*You will need these things:*

- crayons, colored pencils or markers
- a blank piece of paper or poster board

*Here is what you do:*

1. Imagine what is might look like under the ocean.
2. Draw a picture of the world under water (mountains, valleys, plants, and animals).

*Let's Fish!*

Did you read about the ocean? What books did you read? \_\_\_\_\_

\_\_\_\_\_

What did you like most about your under water picture? \_\_\_\_\_

\_\_\_\_\_

What is you favorite thing about the oceans? \_\_\_\_\_



Whales are animals that live in the ocean. Like many animals, whales breathe air, make milk for their young, and pump blood through a heart.

Whales are sometimes called fish. But whales are not fish. Their front flippers are like the front legs of a dog. These flippers help them swim through water. They also have back "legs". But since they do not need them, they have

never grown outside their body.

Whales breathe through a special nose called a *blowhole*. Whales blow out old air and breathe in fresh air through this blowhole. Just like you and me, a whale needs to breathe above the water. They must come to the surface, get their blowhole above the water, and exhale first (blow out the air) and then inhale new air. The blowhole is on top of their head.

Whales also have a *dorsal fin*. This dorsal fin is on their back. It helps whales keep their balance. All whales have a tail called a *fluke*.



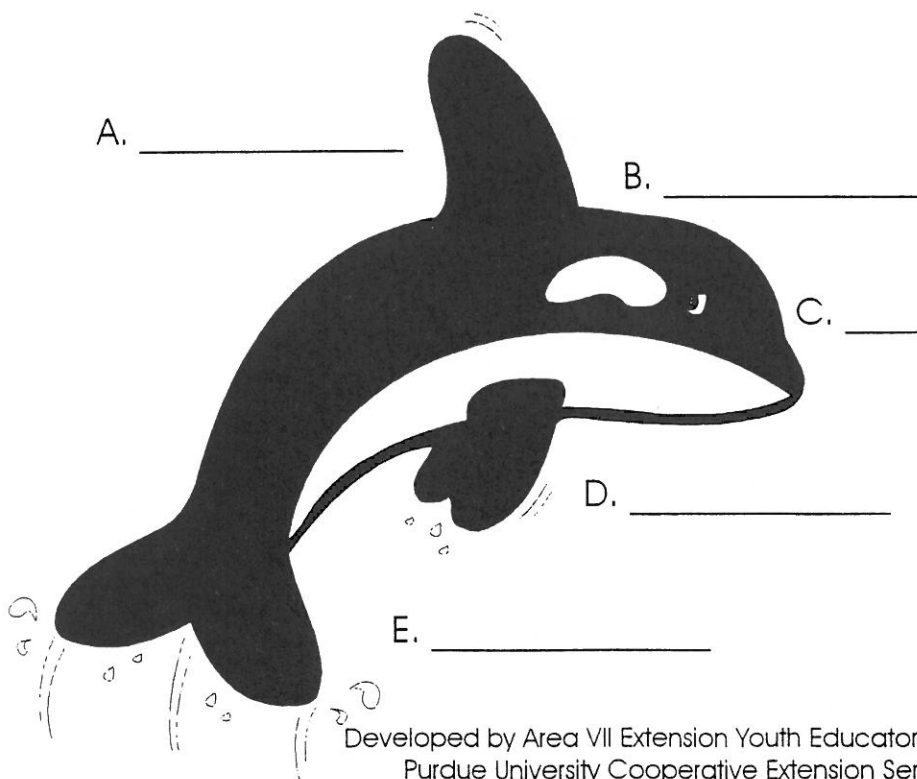
## Activity 3 — Parts of a Whale

*You will need these things:*

- crayons, colored pencils or markers
- the Parts of a Whale picture.

*Here is what you do:*

1. Look at the Parts of a Whale picture.
2. Pick a part and match it to the part of the whale.



### Parts of a Whale

Blowhole  
Dorsal Fin  
Flippers  
Fluke  
Eyes

*Let's Fish!*


Were you able to match all of the parts? \_\_\_\_\_

What helped you find where all of the parts were? \_\_\_\_\_


When you look at the picture of the whale, what is your favorite part? Why?

\_\_\_\_\_

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## Types of Whales



There are many types of whales. The biggest whale is the Blue Whale. A Blue Whale can weigh up to 200 tons and grow as long as 100 ft. This is bigger than any dinosaur. The largest dinosaur may have weighed 35 tons.

One of the smallest is the Pygmy Sperm Whale. It grows as long as a canoe.

There are many other types of whales. Which one is your favorite?



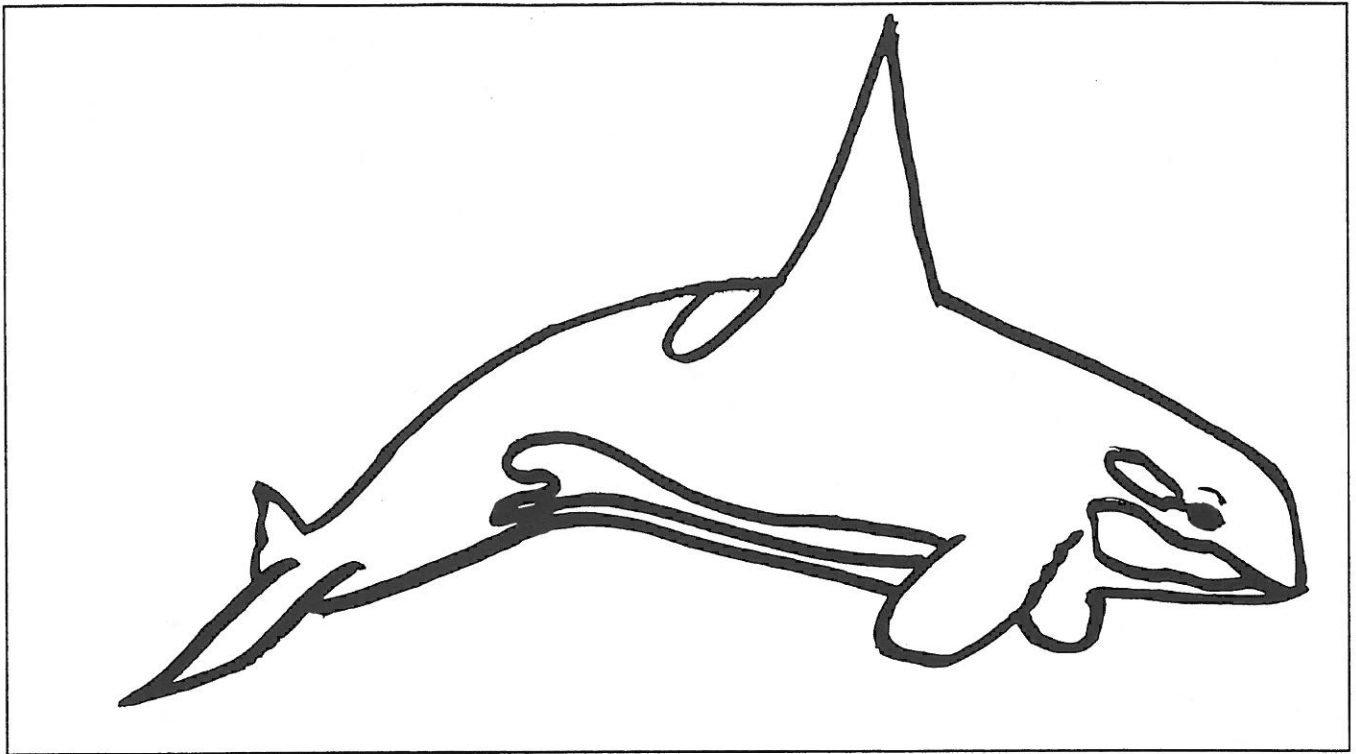
## Activity 4 — My Favorite Whale

*You will need these things:*

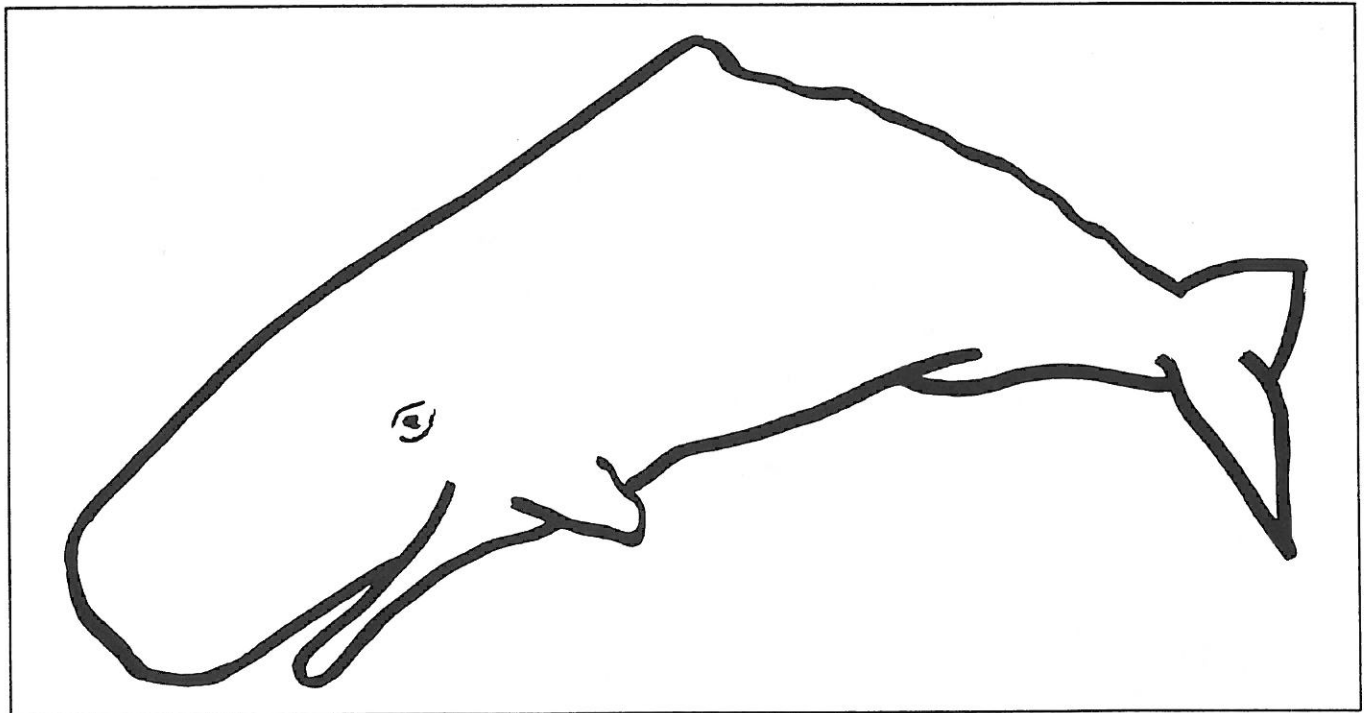
- crayons, colored pencils or markers
- Whale Pictures on the next pages

*Here's what you do:*

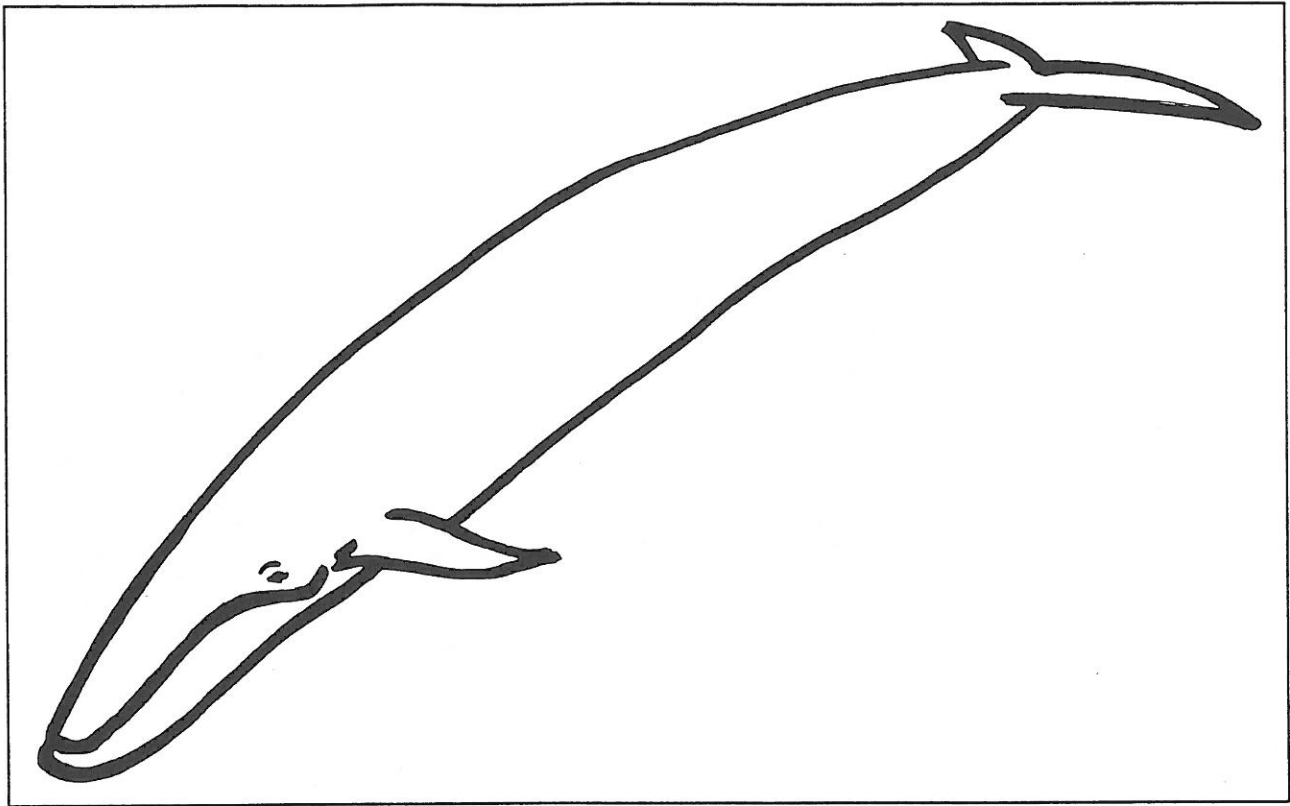
1. Find the whale picture that matches its name. Put that name under the picture.
2. Color the pictures when you are finished.



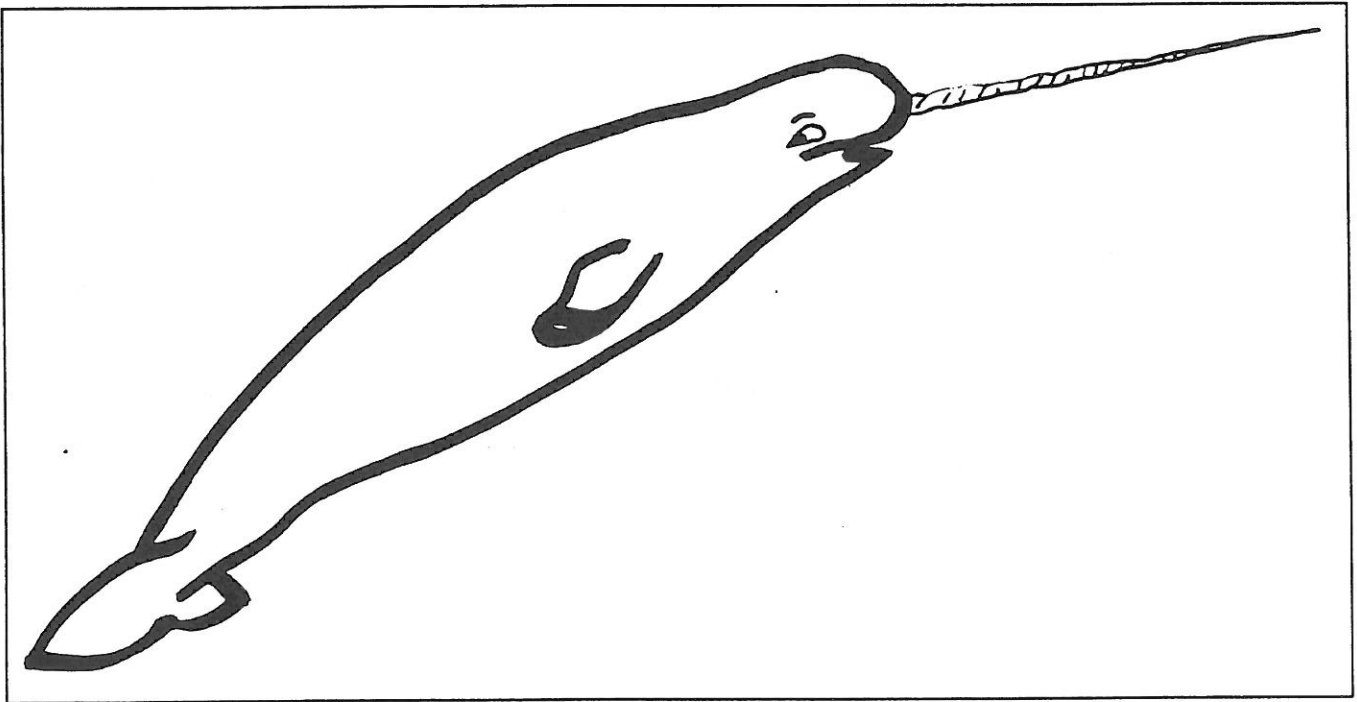
1. \_\_\_\_\_



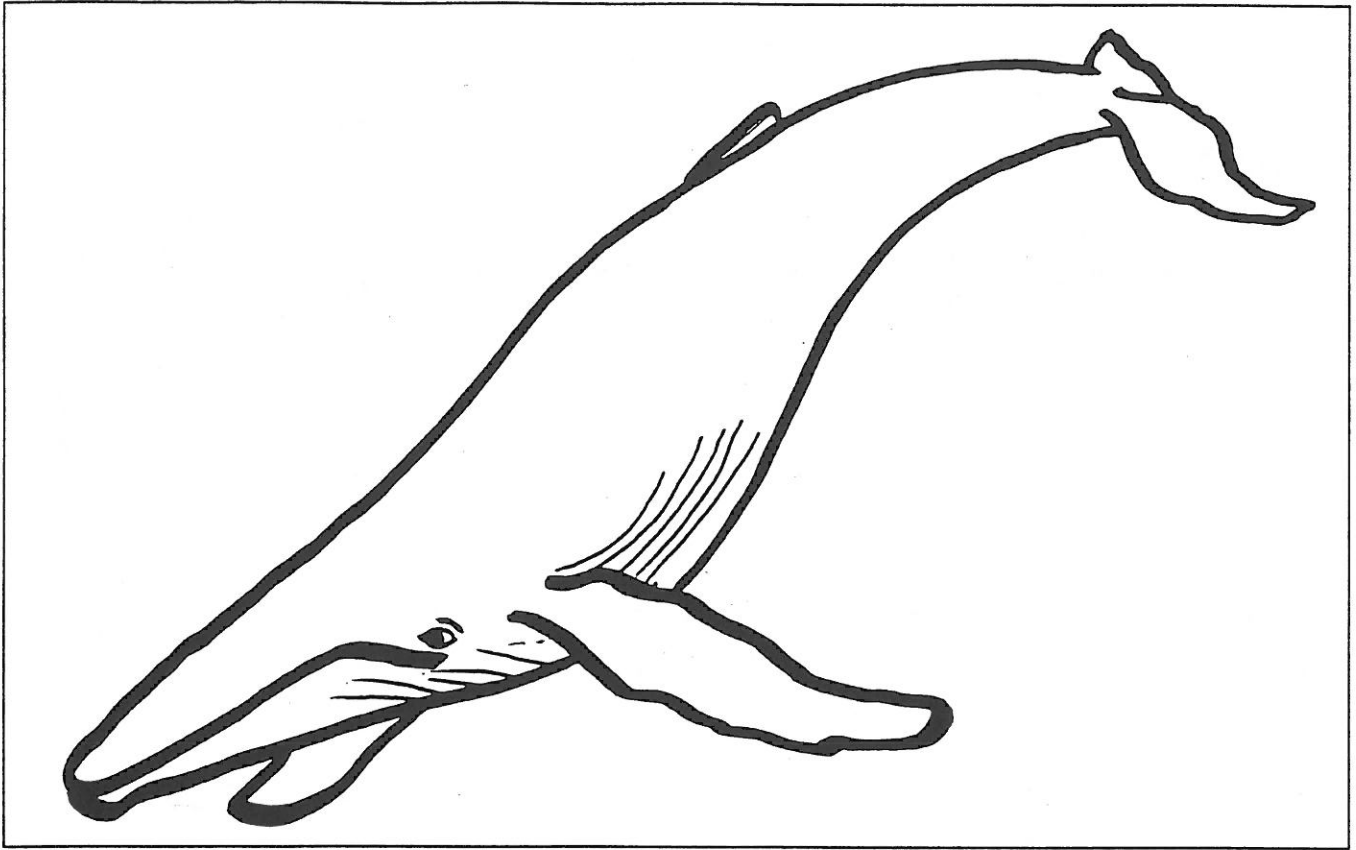
2. \_\_\_\_\_



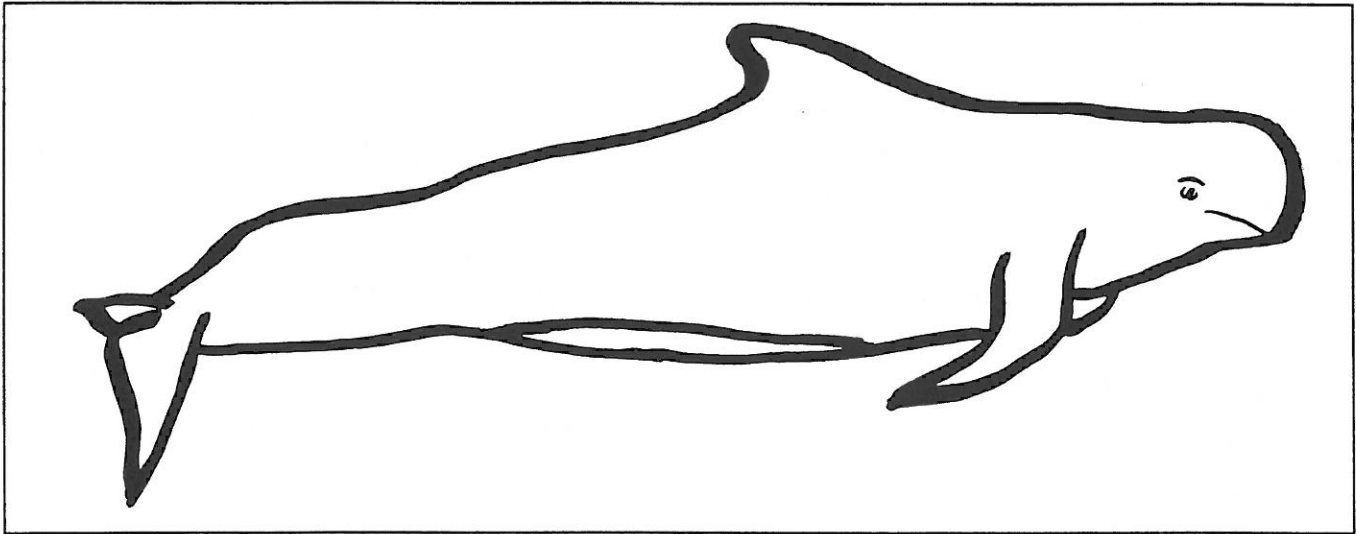
3. \_\_\_\_\_



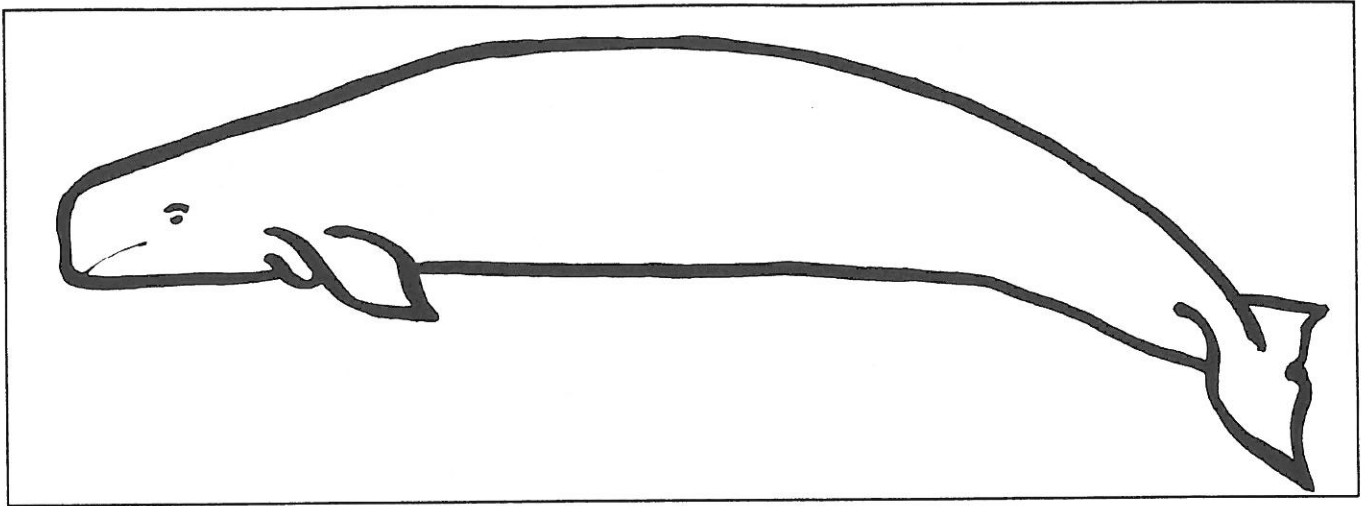
4. \_\_\_\_\_



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



6. \_\_\_\_\_



7. \_\_\_\_\_

**Blue Whale** - This is the largest animal to ever exist. It can be as long as 100 feet and weigh over 200 tons! The whale stays in the open ocean. Its color is blue-grey.

**Humpback Whale** - The humpback whale has a black back with a white throat and belly. It grows to over 50 feet.

**Sperm Whale** - This is the largest whale to have teeth. Like the Humpback whale, it is about 50 feet long. It has a big, flat snout (or nose) with a small jaw. Sperm whales like the deep ocean.

**Unicorn Whale** - The Unicorn whale has a long tusk or horn. This tusk can grow to ten feet long. The body of this whale may only measure 15 feet. They are olive green in color and have white bellies.

**White Whale** - This whale is pure white. It lives in the arctic waters.

**Pilot Whale** - the Pilot whale travels in schools (or bunches of Pilot whales). They often travel with dolphins. They are black with white or light gray markings on their belly.

**Killer Whale** - The Killer whale or Orca whale is very popular. The movie "Free Willy" was about an Orca whale. These whales have a shiny black body with a white belly and grey side markings.



## Let's Fish!

Which whale is your favorite? Why? \_\_\_\_\_

Which whales were easy to name? \_\_\_\_\_

Which whales were hard to name? \_\_\_\_\_



# Dolphins



Dolphins are part of the whale family. This means they have the same parts of a whale, such as flippers, blowhole and fluke. They are also mammals. This means that they cannot breathe under water. They use their blowhole to breathe. (Fish can breathe under water.)

Dolphins are smaller than most whales. They are also very friendly. Dolphins like to play. They make things into toys. They will toss seaweed and fish. They even like to ride on the waves.



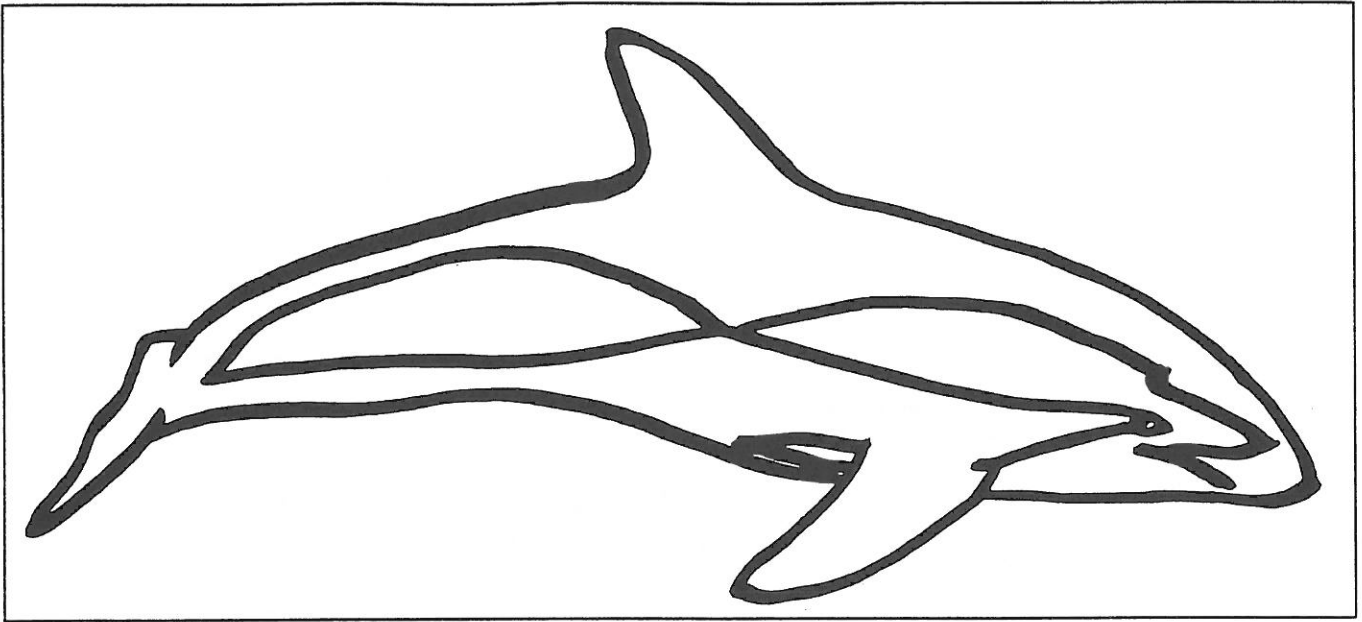
## Activity 5 — My Favorite Dolphin

*You will need these things:*

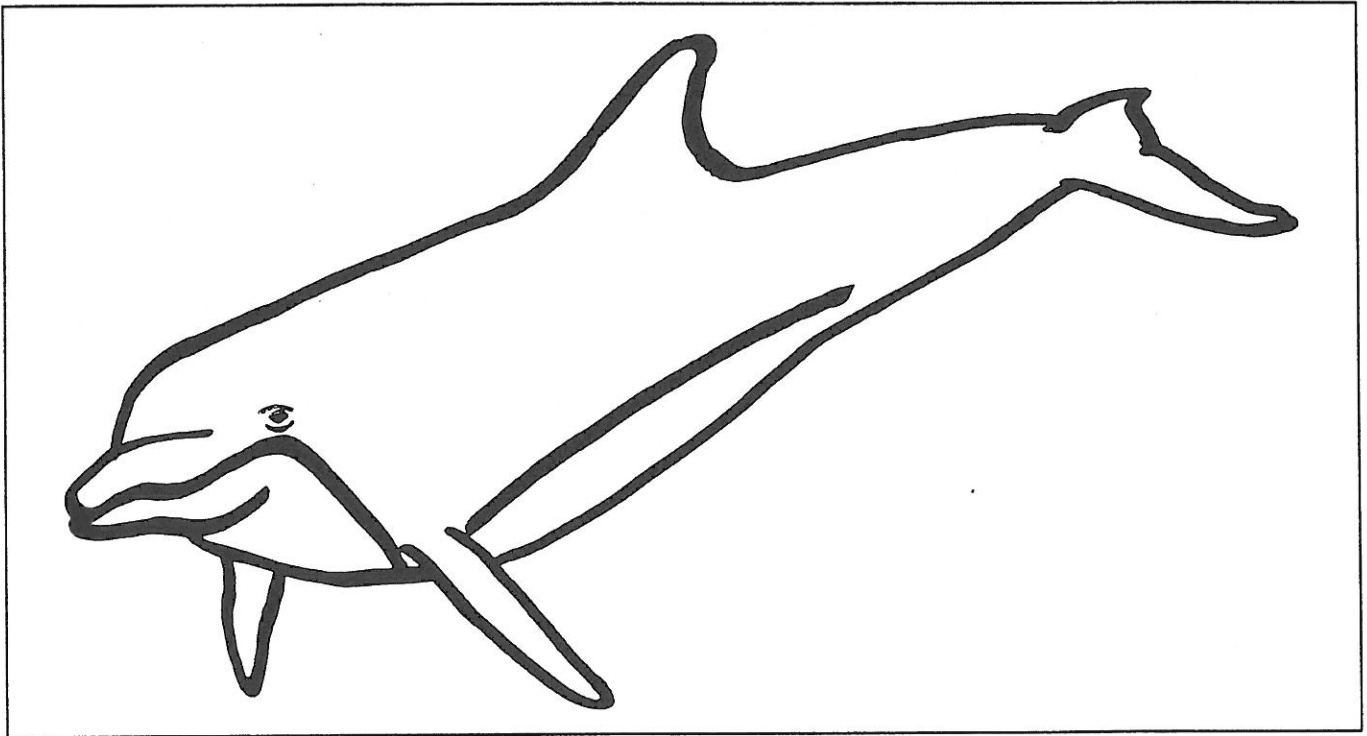
- crayons, colored pencils or markers
- Dolphin Pictures on the next pages

*Here's what you do:*

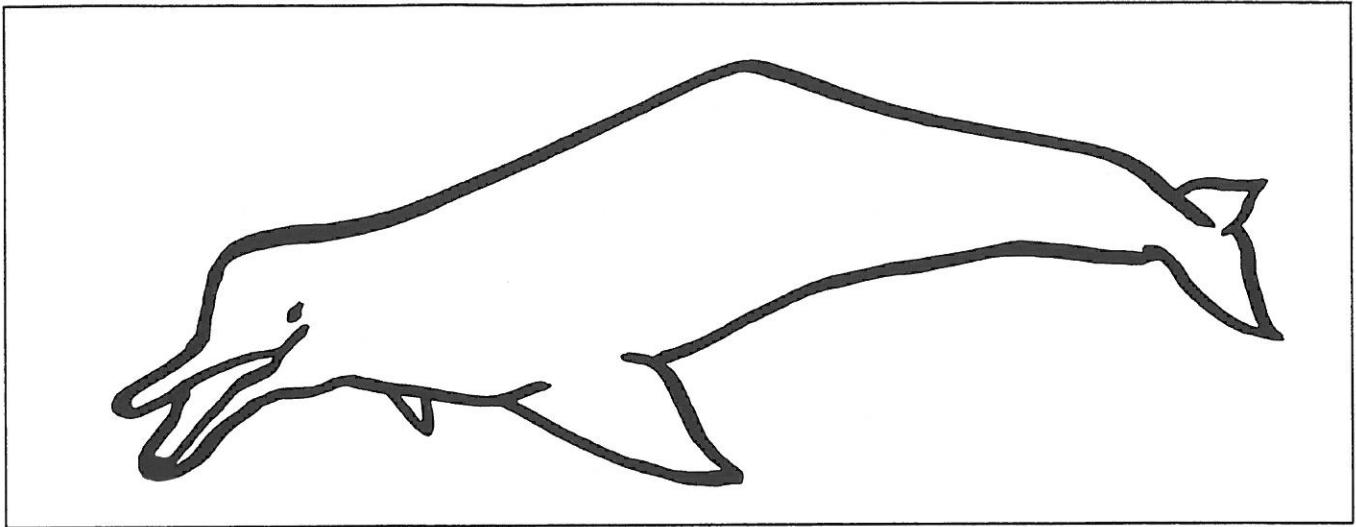
1. Find the whale picture that matches its name. Put that name under the picture.
2. Color the pictures when you are finished.



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



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



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

**Bottlenose Dolphin** - This small dolphin grows to about 10 feet long. It is the most popular dolphin. You can see a Bottlenose Dolphin on the TV show called "Flipper". This dolphin looks like it wears a smile.

**Hourglass Dolphin** - The Hourglass Dolphin is also called the white-sided dolphin. This dolphin has a dark top and a white belly and side markings. The side marking look like an hourglass.

**Bouto Dolphin** - Unlike other dolphins, this one is light in color. It is a pink-brown color. It is a dolphin that does not have a dorsal fin.

*Let's Fish!*

If you had a dolphin, what kind would you pick? Why? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Have you read books about dolphins? \_\_\_\_\_

Have you watched movies or TV shows about dolphins? \_\_\_\_\_



# Whale Songs



Whales make a different sound. It is almost a screeching sound. Whales cannot see very well. They use this sound to help them find their way. So, how does this work?

Whales use sounds as sonar. Sonar means that sound or sound waves are sent out. As sound travels through the ocean it bumps into something, like an ocean rock. When the sound hits the rock, it bounces off the rock and returns. The whale knows something is out there. If an item is close to the whale, it comes back faster than an item that is further away. Whales are very good at using sound. So good, that it helps them "see" their way through the ocean.



## Activity 6 — Finding My Way

*You will need these things:*

- crayons, colored pencils or markers
- Whale maze on next page

*Here's what you do:*

1. Begin at the top of the maze and guide the whale through waves to the end.

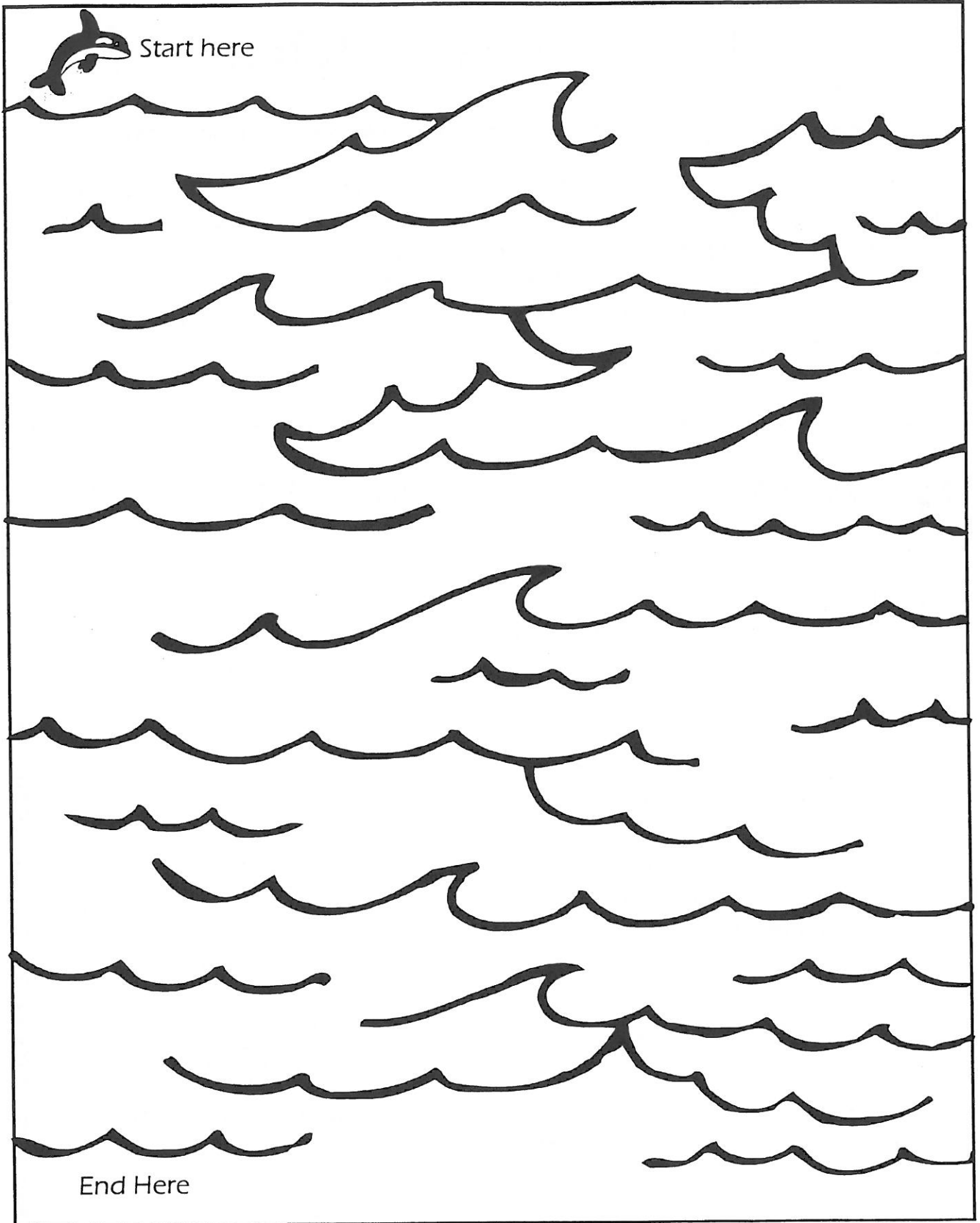
*Let's Fish?*

What type of things would a whale need to swim around in the ocean?

\_\_\_\_\_

If you had sonar, would you use it? When? \_\_\_\_\_

\_\_\_\_\_



Start here

End Here



# The Learning Dolphin



For hundreds of years, Dolphins have been known for loving to play. They will turn almost anything into a toy. They will throw seaweed .....and even fish! They even like to ride on top of waves made by boats.

People have also taught dolphins hand signs. Some dolphins have learned more than 40 signs....like, "right", "left", "over", and even "frisbee"! People then have the dolphins do tricks.



## Activity 7 — The Dolphin Craze

*You will need these things:*

- crayons, colored pencils or markers
- the Dolphin search puzzle

*Here's what you do:*

1. Look at the underlined words in the Dolphin Sounds box .
2. Look for the letters in order in the search puzzle. Circle the letters.

*Let's Fish?*

If you had a dolphin, what kind of fun things would you teach him?

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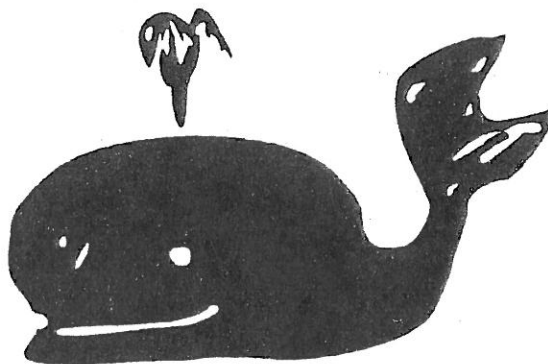
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### *Dolphin Sounds*

squeal  
 play ball  
squeak  
hand sign  
 play frisbee  
click  
 ring bells  
play  
deliver mail  
find lost things  
 eat fish  
 one-of-a-kind whistle  
 toss rings  
paint pictures  
shake hands

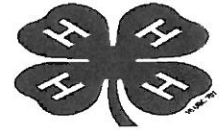
# The Dolphin Search Puzzle

q d u e i t n i a p l t k e  
b e s a s c g p l a y b l e  
f l l d n m i k p s l l e b  
f i n d l o s t t h i n g s  
c v w r a h d p g s m a y i  
k e s d e e n i o r f c v r  
d r i o u p a y c l i c k f  
o m h z q u h s i f e n y d  
s a e s s h a k e h i t g e  
t i g o f l l k a e u q s s  
f l l a b w h i s t l e p d





# 4-H Fair Exhibit



## Exhibit – Kindergarten

Using the pages found in your manual, color the whale, and dolphin, and display them in a notebook.

## Exhibit – 1<sup>st</sup> Grade:

A poster with 3 pictures of dolphins. Make a label (2" x 4") for each picture with the following information on it: a.) Type of dolphin, b.) Weight of dolphin, c.) Size of dolphin.

## Exhibit – 2<sup>nd</sup> Grade:

A poster with 4 pictures of whales. Make a label (2" x 4") for each picture with the following information on it: a.) Type of whale, b.) Weight of whale, c.) Size of whale.

## Poster Construction Rules:

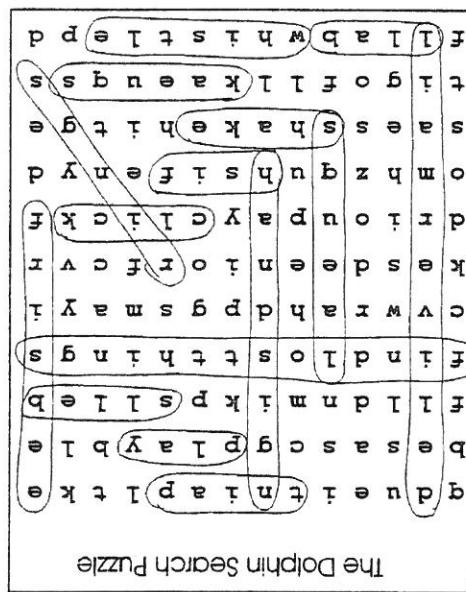
All posters are to be covered with clear plastic and have a stiff, non-flexible backing. All posters are to be **14" HIGH x 22" WIDE**. You may use any color of poster board. Each poster project should have a title.

All projects are to have a name label on them. You will receive a Mini 4-H newsletter in the mail prior to the Fair that will contain name labels.

If you have any questions about your project, please call the Extension Office at 636-2111 or 1-800-601-5826.



# Manual Activity Answers



The Dolphin Search Puzzle

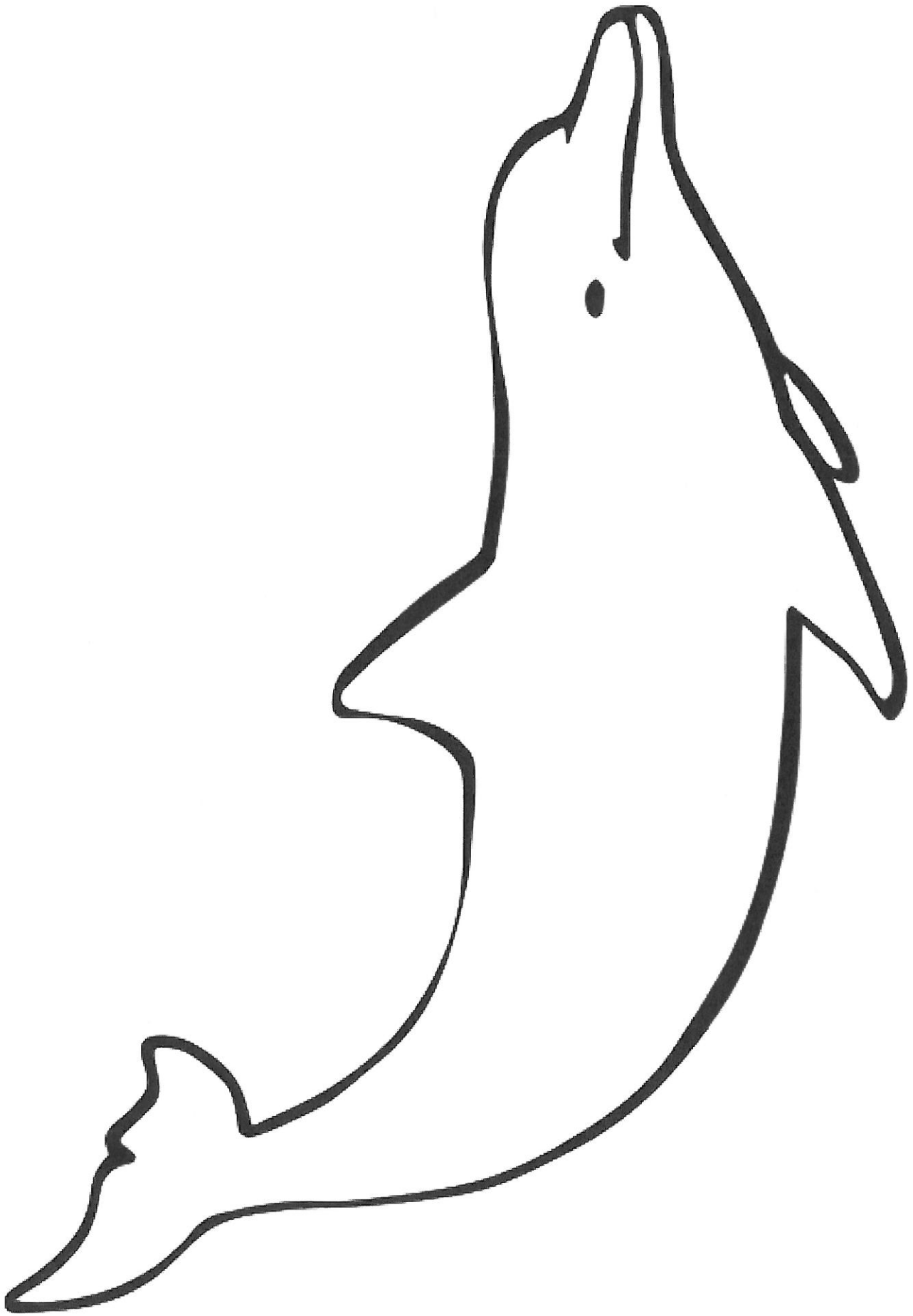
- Parts of a Whale Answer Key
- a. Dorsal Fin
  - b. Blowhole
  - c. Eyes
  - d. Flippers
  - e. Fluke

- My Favorite Whale Answer Key
- 1. Killer Whale
  - 2. Sperm Whale
  - 3. Blue Whale
  - 4. Unicorn Whale
  - 5. Humpback Whale
  - 6. Pilot Whale
  - 7. White Whale

- My Favorite Dolphin Answer Key
- 1. Hourglass
  - 2. Bottlenose
  - 3. Bottle

- Oceans Answer Key
- 1. Pacific
  - 2. Indian
  - 3. Atlantic
  - 4. Arctic
  - 5. Anarchic













# Noble County Mini 4-H Record Sheet

Name \_\_\_\_\_ Grade in School \_\_\_\_\_

Address \_\_\_\_\_

4-H Club \_\_\_\_\_ Township \_\_\_\_\_

Number of years in Mini 4-H \_\_\_\_\_ Number of years in project \_\_\_\_\_

Member's Signature \_\_\_\_\_

Parent's Signature \_\_\_\_\_

Leader's Signature \_\_\_\_\_

A. Project: \_\_\_\_\_

B. Estimated number of hours worked to complete project \_\_\_\_\_

C. Money spent on project:

Cost of supplies: (list) \_\_\_\_\_

OR

Foods – number of \_\_\_\_\_

times made \_\_\_\_\_

D. List the things that you learned while you were doing Mini 4-H:

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