A good naturalist or scientist will keep a scientific journal to write down their ideas and to guide their explorations.

This is your Scientific Journal to use before, during, and after your 6th grade field trip!

Name: ________________________
Date: ________________________

Be sure to come back next year for a brand new adventure!
Look closely for these words from your Field Trip Vocabulary.

<table>
<thead>
<tr>
<th>Micro</th>
<th>macro</th>
<th>producer</th>
<th>bacteria</th>
<th>plankton</th>
<th>bioluminescence</th>
<th>size</th>
<th>scale</th>
<th>culture</th>
<th>organism</th>
<th>microorganism</th>
<th>brine shrimp</th>
<th>algae</th>
<th>coral</th>
<th>investigation</th>
<th>single-celled</th>
</tr>
</thead>
</table>

Observe four types of frogs or toads in the Journey to South America exhibit and count them. Using that information, complete the table below.

<table>
<thead>
<tr>
<th>Name of animal</th>
<th>Number seen</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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</tbody>
</table>

Add the numbers in the right column to find out the total number of frogs and toads seen.

Total:___________
Now that you have had fun with the Web of Life activity, see if you can draw lines on this chart showing all the interconnections of an ocean food web.

What do you predict is the length of the Green Anaconda? __________

A snake is capable of eating something 3 times the size of its head.

What unique characteristic specific to snakes do you think allows them to be able to perform this amazing feat? ____________________________

Based on the current size of the anaconda, what is the biggest thing you think it could consume? ____________________________

Observe the Four-eyed Fish’s pupils. 2 of their pupils see above the water line and 2 pupils see below the water line. How would this help the four-eyed fish? ____________________________
Field Trip Day!

Today’s the day! Come visit the sunken ship Albatross and help the ship’s Naturalist regain some of the research that was lost in the wreck! This section of your booklet is for you to use while exploring the aquatic worlds of the aquarium.

Remember, this is a public aquarium so please be respectful of other people, the staff and the facilities.

Things to Remember

- Number 2 Pencil
- This booklet
- Wear something you can roll the sleeves up on or that can get wet. Stingrays sometimes *splash!*

*Rules I will follow*
1. No running or climbing on exhibits
2. Raise hands to ask questions
3. Save stories till end of program
4. Stay with my group
5. Be respectful of others in the aquarium
6. Touch with 2 fingers
7. Have Fun while I learn!

At the **Bio-facts Station** you can see a preserved shark skin under a microscope. Take a look at the microscopic *placoid scales* and read how these structures help sharks and man. Write down one way that humans have benefited from placoid scales. Write down one way that the shark benefits from such unique skin. **Draw what you see in the circle.**
Each picture series represents an animal in the Ocean Explorer gallery that eats micro-organisms. Once you have figured out the name of the organism find it, and draw the organism in the box provided. Circle the body parts used for feeding.

The following pages highlight a few of the animals you will encounter at The Living Planet Aquarium. Observe these creatures; look at how color or texture, shape, movement or appendages play a role in survival. Choose a characteristic of interest to you and fill in the questions about it.

For size, your best guess is ok. Try to use the metric system.
Brine Shrimp

Based on your observation of the brine shrimp color in what part of the body is used for movement.

How does it measure up?

After observing the brine shrimp list some of the things you hypothesize are necessary for survival in its environment.

Examine each of the various trout species in the Discover Utah Gallery. What characteristics do all of these fish share?

Name one characteristic that is different for each species of trout.

Rainbow Trout

Tiger Trout

Lake Trout

Now find the Woundfin. What major difference do you see between this species and the trout you just observed?

What do you predict is the reason for the difference?