

Exploration 3
Worksheet

Sea Sick

1. Shelley C. Waters has sent some unusual creatures to the lab. What is wrong with them, and what does she want you to do for her?

2. The front lab table is pretty crowded with equipment! Describe the different parts of the setup.

3. Why is it necessary to use a control in this experiment?

4. What are the settings on the control tank?

Exploration 3 Worksheet, continued

5. Conduct your experiments, and record your observations in the table below.

Change in variable	Observations
Add food.	
Add antibacterial water conditioner.	
Increase pressure in tank.	
Change filter.	
Increase temperature.	
Change mineral composition of sea water.	

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Exploration 3 Worksheet, continued

6. What other information do you need to give Ms. Waters?

7. Describe how you might learn this information.

8. Examine the slides Dr. Labcoat has set up on the back counter. What you see plays a role in the habitat of the mystery creatures. What is that role? Explain. (Hint: Check out the CD-ROM articles.)

9. Describe the relationship between your experiment results and what you have learned about these organisms and their habitat.

Record your answers in the fax to Ms. Waters.

Exploration 3
Fax Form

FAX

To: Ms. Shelley C. Waters (FAX 619-555-8368)

From: _____

Date: _____

Subject: Habitat

Name of organisms: _____

Where do these animals live?

During your experiments, which of the following changes had a positive effect on the animals?

- ADD FOOD.
- ADD ANTIBACTERIAL WATER CONDITIONER.
- CHANGE MINERAL COMPOSITION OF SEA WATER.
- INCREASE PRESSURE IN TANK.
- CHANGE FILTER.
- INCREASE TEMPERATURE.

What are the nutritional requirements of these animals?

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