



Name: _____ Date: _____

Teacher: _____

Can you clean it?

Oceans and Pollution Design Challenge

1. What organism do you have?

2. What type of pollution affects your organism the most? How does it affect your organism? Where does this pollution come from?

Constraints (limits):

- Must be made with only the materials given
 - Two rubber bands
 - Plastic net
 - One plastic spoon
 - Two plastic straws
 - One foot of tape
- Must be made in the time given

3. Which constraint will be the hardest to work around?

Brainstorm:

4. With your group brainstorm three ways to remove the trash or protect your organism from it.

1)

2)

3)

Solution:

5. With your group, pick one solution and build a prototype.

<p>What does it look like?</p>	<p>What is your design called?</p> <hr/> <p>How does it work and how does it protect your animal?</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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Test and Reflect:

6. Test your solution.

7. What two things went well?

1)

2)

8. What two things did not work?

1)

2)

Conclusion:

9. If you built your design again, what would you change?

10. What other things can you do to protect marine life?

11. What constraints could you face in real life?
