



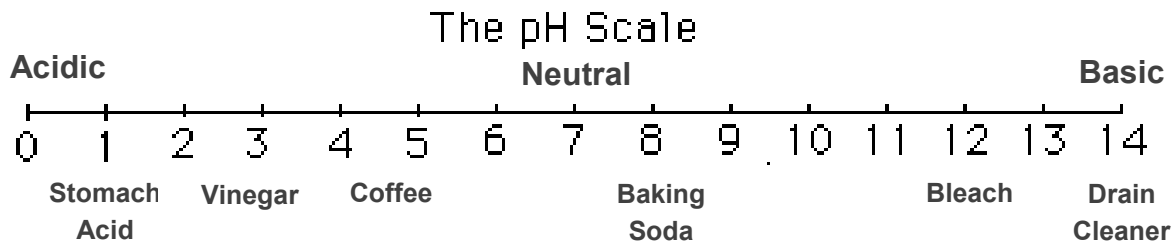
# Ocean Acidification: A Bitter Future

## Answer Key

Name: \_\_\_\_\_

Date: \_\_\_\_\_

- Find 6 items that are around you and put them on the scale where you think the item's pH range would be. Label neutral, acidic and basic.



- Fill out the following table while completing the Soda Stream Activity:

	Color of seawater	pH of seawater	Acid, base or neutral?
<b>Before adding CO<sub>2</sub></b>	<b>Blue/green</b>	<b>8</b>	<b>Base</b>
<b>After adding CO<sub>2</sub></b>	<b>Yellow</b>	<b>6</b>	<b>Acid</b>

- When you added carbon dioxide with the Soda Stream into your water, what happened?

**The carbon dioxide mixed with the saltwater, changing the chemistry and causing the solution to become 100 times more acidic.**

- What are some ways you can decrease your carbon footprint and help the marine life of our local estuary? List 3 examples and explain how these approaches will help decrease the excess production of carbon dioxide in our environment.

**Carpool or take the bus – Less driving decreases the amount of CO<sub>2</sub> put in the atmosphere from cars**

**Buy local – Less truck emissions since they do not have to travel far to the market**

**Reduce, reuse, recycle – Less production of manufactured materials, less factory CO<sub>2</sub>**