

How Water and Carbon Dioxide Lead to Ocean Acidification

1.) Print out this worksheet and gather items in your house that are small and different colors. You will need three different colored items. If you want to take this activity a step further, you will also need tooth picks or wooden skewers.

Example: cut fruit, candy, veggies, colored paper, starburst

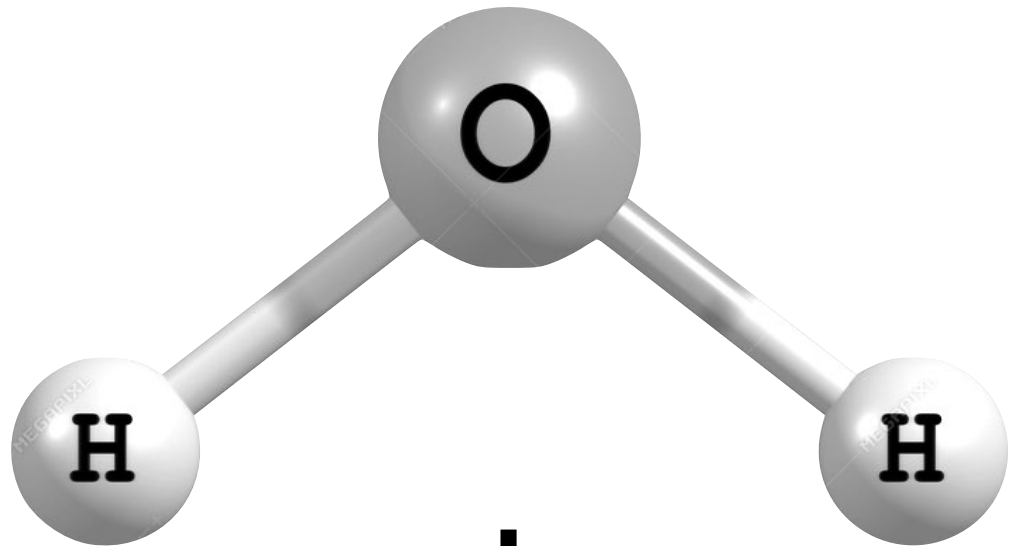
2.) Designate your food to the periodic elements, Hydrogen, Oxygen, and Carbon

Example: Hydrogen = Cut bananas

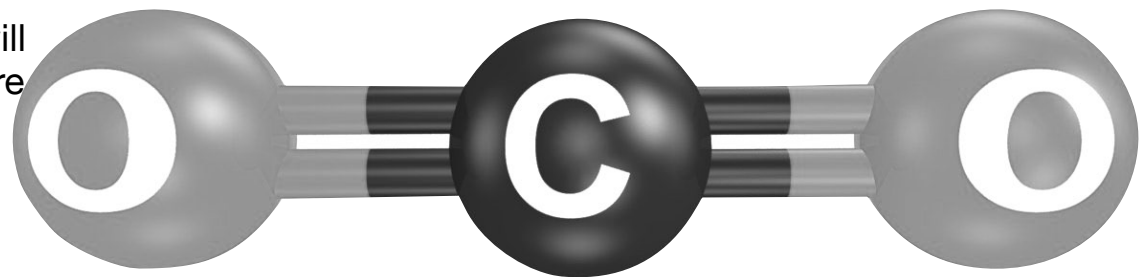
Oxygen = Grapes

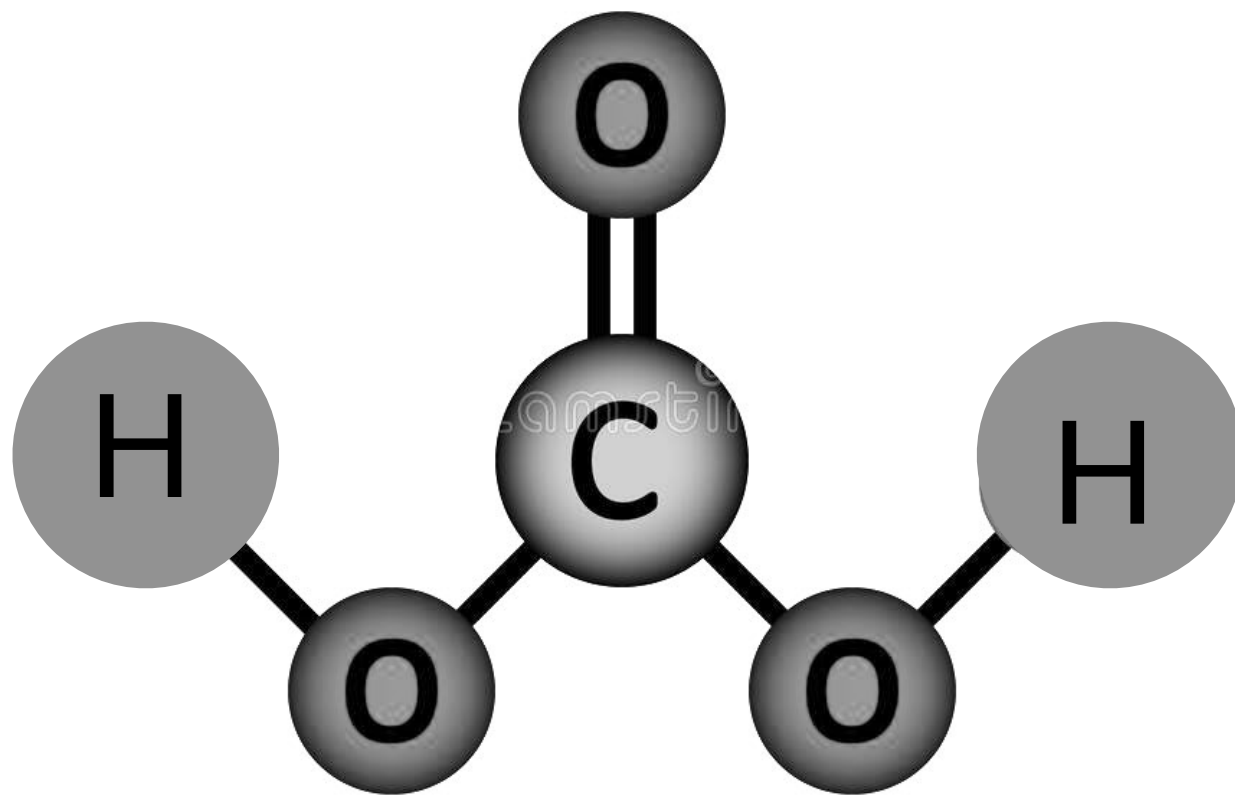
Carbon = Strawberries

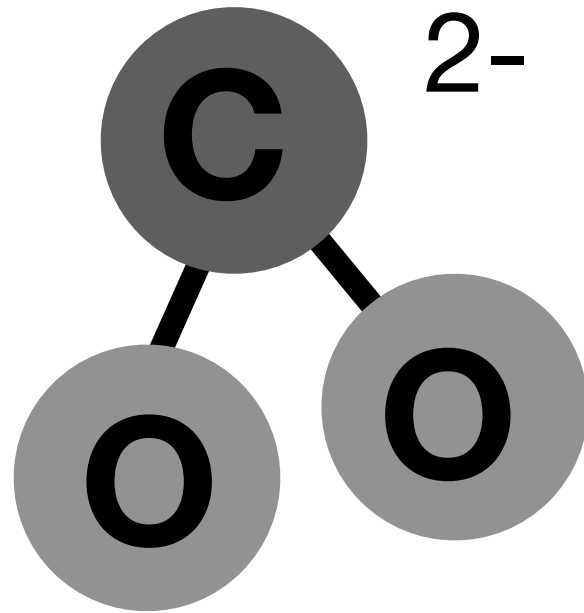
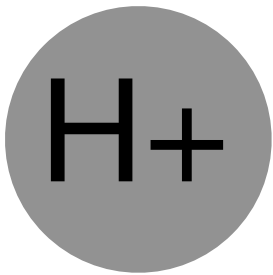
3.) Now, using your colored items, we are going to work together to show how our “elements” form molecules and ions that will eventually cause our ocean to become more acidic. We will work on this activity during the video.



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Follow up questions:

What is an element?

What is a molecule?

What is a greenhouse gas?

What causes the ocean to become too acidic?

What are some things we can do to slowly lower the acidity of the ocean?
