

## Group C Acidification

### Background:

- Fossil fuels are the primary energy source for us, but along with this use they cause air pollution, global warming, and ocean acidification because they can be burned at any time that they are needed. The unfortunate result has been the emission of carbon dioxide in the order of billions of tons and about half is absorbed by the oceans over time. While this process benefited us in mitigating greenhouse effect, the fact remains that this massive load of carbon dioxide is altering water chemistry and afflicting damage to the life cycle of many marine organisms. Many of the invertebrates and phytoplankton in the lower food chain have casings that comprised of calcium carbonate, therefore they are susceptible to the effects of acidification and primary production.

### Question:

At what acidity level would impede brine shrimp nauplii from developing?

\*\*\*Baby brine shrimp first free- swimming period it is called a nauplius (plural: nauplii).

### Members:

- Sona
- Michelle Hines
- Joey
- Elana