**Taking it Further**

Naked Eggs activity <http://www.exploratorium.edu/cooking/eggs/activity-naked.html>

An activity that explores dissolution of an eggshell. Similar to Pteropods, egg shells also dissolve in acid.

Dry Ice Demonstration <http://www.cisanctuary.org/ocean-acidification/PDFs-WorkshopPage/Hands_on_acivities/OA_dry_ice_demo.pdf>  
A demonstration showing that adding carbon dioxide to water makes it more acidic.   
  
Ocean Acidification on Shells <http://www.cisanctuary.org/ocean-acidification/PDFs-WorkshopPage/Hands_on_acivities/OA_Shells.pdf>  
This activity allows you to see firsthand the effects ocean acidification can have on calcifying organisms.

**SMILE Lessons that would work well as an Ocean Acidification/ Climate Change Unit**

Ocean Acidification: pH and the Ocean’s Balance <http://smile.oregonstate.edu/lesson/ocean-acidification-ph-and-oceans-balance>  
Ocean Acidification: Impacts of Carbonated Seawater on Mussel and Oyster shells <http://smile.oregonstate.edu/lesson/ocean-acidification-impacts-carbonated-seawater-mussel-and-oyster-shells>  
Ocean Acidification: Building Blocks of the Sea <http://smile.oregonstate.edu/lesson/ocean-acidification-building-blocks-sea>

**Resources**   
<https://www.pmel.noaa.gov/co2/story/What+is+Ocean+Acidification%3F>

NOAA explanation of Ocean Acidification

<https://ww2.kqed.org/quest/2014/02/25/pteropods-very-small-and-very-important/>

Good introductory video

<http://rspb.royalsocietypublishing.org/content/281/1785/20140123>

Study looking at effects of ocean acidification on pteropods

<http://www.noaanews.noaa.gov/stories2014/20140430_oceanacidification.html>

Report on the above research study

The Seattle Times. Scientists are startled by new research showing how quickly pteropods are dissolving.

<https://apps.seattletimes.com/reports/sea-change/2014/apr/30/pteropod-shells-dissolving/>

Good pictures of dissolution of pteropod shells.

Arguing from Evidence in Middle School Science <https://books.google.com/books?id=n7jsDAAAQBAJ&pg=PA129&lpg=PA129&dq=preindustrial+pteropod+dissolution+vs+present+day+pteropod+dissolution&source=bl&ots=F3DOD99a2Q&sig=-d765KC3-JC5WIan8PckMQ1XImQ&hl=en&sa=X&ved=0ahUKEwjUvIbU18zYAhVW82MKHScvBWIQ6AEISzAH#v=onepage&q=preindustrial%20pteropod%20dissolution%20vs%20present%20day%20pteropod%20dissolution&f=false>

What is happening in the Ocean <https://climatekids.nasa.gov/ocean/>

Pteropods: Beer Nuts of the Ocean <https://www.fws.gov/uploadedFiles/Region_7/NWRS/Zone_2/Kenai/Sections/What_We_Do/In_The_Community/Refuge_Notebooks/2017_Articles/Refuge_Notebook_v19_n22.pdf>

Ocean Acidification: A Risky Shell Game <http://www.whoi.edu/cms/files/OceanAcid_68964.pdf>

Healthy Pteropod swimming <https://youtu.be/kHM3lWmP6GE>

Dissolved Pteropod swimming <https://youtu.be/uBu6DxnkIu0>