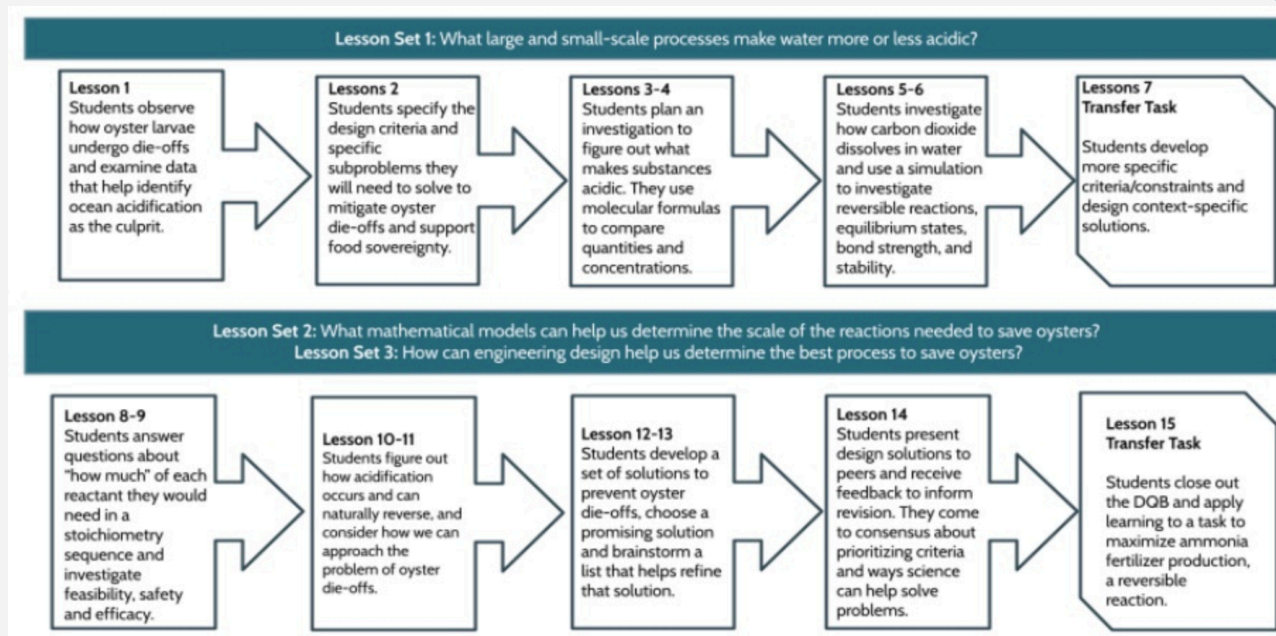


C.4 Chemical Reactions in Our World



Unit Structure



Before Teaching the Unit



[Watch the unit webinar.](#)



[Read the unit storyline.](#)



[Join the Facebook Group for the course.](#)



Review the Assessment System Overview in the Unit Overview to complete the [Grading Planning Tool](#) for the unit.



Review the Unit Overview, Material List and Lesson Teacher Edition to check for the required materials and supplies necessary for the unit. Take note of these unit-specific items related to materials:

- If this unit was not preceded by others that support students in developing connections between atomic and molecular structure and particle-level energy transfer and force interactions, you will need to provide supplementary instruction.
- Prepare for the first lesson by identifying or asking students to bring in pictures of traditional foods that are important to them.
- Lessons 3, 4, 7, 10, and 11 will require advance solution preparation, detailed in teacher references in those lessons. The Lesson 11 preparation will take the most time.

- The Lesson 5 investigation will have results that motivate Lesson 6. Make sure that at least one setup is left untouched after Lesson 5.
- Some extra preparation is required for the Graffiti Boards in Lesson 6.
- Remember that students will continue practicing balancing equations and stoichiometric calculations in C.5 How can chemistry help us evaluate fuels and transportation options to benefit the Earth and our communities?

While Teaching the Unit

- Watch teacher set-up videos for investigations.
- Keeping a running record of class discoveries and investigations throughout the unit to help absent students catch up and as a reference for future years. Approaches could include a teacher version of a student notebook, or a running shared Google document.
- Organize handouts and digital materials as you go for future use.

After Teaching the Unit

- Consider retaining select student products as exemplars or to inform your future instruction.
- Make notes of future revisions, modifications.
- Take pictures of posters, consensus models and exemplary student work.
- Survey students at end of unit for feedback and self-reflection.

Unit Fast Facts for Planning

Unit Length 15 Lessons, 33 Days

Lessons with Hands-On Investigations 3, 4, 5, 8, 10, 11

Lessons Requiring Student Devices 3, 4, 6, 9

Lessons that Require In-Advance Material Preparation 11, 3, 4, 5, 6, 8, 10, 11, 15
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Lessons with Mid-Point or Summative Assessment Moments 4, 7, 9, 15