**Lesson 1**

**Activity 1: Effects on the Environment**

Teams use their observation graphics that were completed in the Task to brainstorm what different elements have on the environment, how they occur, and the effect it has.

**Activity 2:  Introduction to the Problem of the Chesapeake Bay**

Teams brainstorm issues that affect the bay and suggest possible solutions (initial ideas prior to any research)

Make a poster of issues and suggested solutions. Post in room as teams will come back to these later.

**Activity 3:**[**Carbon Lab**](https://www.learner.org/courses/envsci/interactives/carbon/)

Work in teams to complete the virtual labs.

**Activity 4:  Case Study**

[Dredge Today, Restore Tomorrow](http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=573&id=573%20%20)