

Materials for Sea Level Rise Modeling

- Large picture of a sun
- Large picture of a power plant with smoke coming out of the smokestack
- Black streamers
- Six cups, each half-filled with warm water
- Six, gallon-sized, Zip-Loc bags (one for each group), with holes cut in the bottom
- ~12 ice cubes in each bag. Store in an ice chest in the classroom.
- Six coastal town models set up around the room. I used plastic models purchased from NASCO (see Resources). However, you could also have your students make their own model out of clay inside a plastic container, such as those used for mixed lettuce in a grocery store. Inside each box, you'll need mountains sloping down to the shore. Plan an additional class period if students are to make their own models. With either model, using permanent marker, draw black rectangles near the shore to represent houses, many "with an ocean view".
- A small towel for each group.
- A few drops of blue food coloring for the ocean.
- Enough water in each model to fill the ocean, coming just to the edge of the shore.