

Name _____

Climate Engineering (aka Geoengineering) Teaching Module

Lesson 1: Collaborative Design Thinking Worksheet

Introduction: Negative impacts of climate change are observed all around us: warming temperatures, melting glaciers, stronger storms, longer droughts, more wildfires, etc. What if you could engineer a technology to help slow global warming or climate change? How would that technology work and what would it look like?

Define climate engineering (also known as geoengineering):

Task: 1 How can you modify the environmental system(s) to reduce climate change?

Three big ideas are:

Task 2: How would you engineer a technology to realize your big ideas? Please select three ideas and sketch these designs (use the back of paper for more space).