

Lesson 8 Handout**Is Geoengineering the Answer to Global Warming?**

Instructions: Read the *This Changes Everything* book excerpt, "Managing the Sun," which describes a number of geoengineering proposals, or how technology could be used to manipulate the climate and curb global warming. Then, respond below.

1. List the different geoengineering strategies described in the text. For each strategy, note how it is intended to reduce global warming.

Strategy	Intended Effect

2. Describe how the Pinatubo Option would work.

3. According to the text, what are the pros and cons of the Pinatubo Option?

Pros	Cons

4. What impact could Solar Radiation Management (SRM) strategies like the Pinatubo Option potentially have on global weather patterns?

5. According to the text, who would be most at risk if SRM caused widespread drought and reduced freshwater resources? What are the potential consequences of these conditions? In your view, how does the potential risk of these consequences compare to the potential benefit of curbing global warming?

6. In your view, do geoengineering strategies encourage or discourage efforts to reduce pollution? Explain.
