

Carbon Mitigation Wedges

due Friday, May 23, 2008

Name: _____ ID: _____

You can complete this activity in one of two ways:

Option 1. Visit the Birch Aquarium at Scripps. (Enter through the Education Office, and have the education staff check your name off the course list. There should be no charge. Otherwise, if you enter through the main gate, student admission is \$7.50.) Explore the global warming exhibit in the exhibit hall to your left as you enter the main building. In the back part of the exhibit, look for an exhibit labeled “Your Challenge. Stabilize Emissions”. It is a round table with protruding handles (that look a bit like foosball handles.) Study the exhibit and the pros and cons of the 15 proposed greenhouse mitigation options. Choose enough options to stabilize CO₂ emissions. List your choices below, and write a clear paragraph justifying your choices. What are the advantages and disadvantages of these choices. Are there alternatives that might not be included in the aquarium’s choices?

While you are at the aquarium, check out the rest of the global warming exhibit. Take note of some of the scientific evidence indicating that global warming is taking place, and note the measures you can explore in order to reduce emissions. Discuss these briefly.

Option 2. Look at the “Stabilization Wedge Game”, available from:

<http://www.princeton.edu/~cmi/resources/stabwedge.htm>.

Complete the wedge worksheet on p. 13 of the Wedge Game document. (You can work with a partner, but be sure to turn in your own list.) Write a clear paragraph justifying your choices. What are the advantages and disadvantages of these choices. Are there alternatives that might not be included in the game’s list of choices? How might various stakeholders respond to your choices?