

Exploring the Environment

Coral Reef Module

Website: <http://www.cotf.edu/ete/modules/coralreef/CRmain.html>

Challenge

Officials of the United Nations Environmental Program with headquarters in Nairobi, Kenya, have recently become concerned with news from scientists throughout the world that coral reefs are dying at alarming rates. The officials have called together representatives from nations around the world to examine the problem and make recommendations on what is to be done (if anything). As a member of the U.S. delegation, you have been assigned the job of thoroughly investigating the problem and making recommendations. You should consider a number of things:

- ❖ Are the reports true?
- ❖ If they are, what are the reasons?
- ❖ Are humans responsible for the death of coral reefs, or is it mostly a natural event?

Assignment

- ❖ Read the above challenge
- ❖ Use the website at the top of the page to gather all of the information that you will need in order to make your recommendations
 - Click on all six puzzle pieces (situation, spheres, remote sensing, coral reefs, biodiversity, and climate change) and read the information provided on each page.
- ❖ Construct a Power Point presentation of all of your recommendations (the steps that you think need to be taken in order to save the coral reefs) that you will present to your fellow delegation members
- ❖ The guidelines for your Power Point are as follows:
 - Your presentation must present well researched solutions to the above problem and they must be solutions that could actually be implemented
 - You must have a minimum of 5 slides
 - You must have a subject appropriate background (ex. marine, water, coral reefs, environment, etc.)
 - Each slide must contain at least 1 picture
 - At least 2 slides must contain animation
 - At least 2 slides must contain sound effects

Scoring Rubric

Assignment Requirements	Points Possible
Presentation contains a minimum of 5 slides	10
Solutions that are presented are based upon sound research	30
Solutions that are presented could actually be implemented	20
Presentation has a subject appropriate background	10
Each slide contains a minimum of one picture	10
At least two slides contain animation	10
At least 2 slides contain sound effects	10