**Module 3**

**PRE-TEST**

1. In one word, describe the picture below. Discuss your answer

The impacts of climate change include warming temperatures, changes in precipitation, **increases in the frequency or intensity of some extreme weather events**, and rising sea levels. These impacts threaten our health by affecting the food we eat, the water we drink, the air we breathe, and the weather we experience.

1. What do you think are the causes of water pollution? Write your answers on the space provided

Large oil spills and oil leaks, while often accidental, are a major cause of water pollution. Leaks and spills often are caused by oil drilling operations in the ocean or ships that transport oil.

**Self-Evaluation**

1.What are the sources of air pollution and how this pollution affects the human health?

It is mostly emitted from fossil fuel consumption, natural volcanic activities, and industrial processes. SO2 is very harmful for plant life, animal, and human health. People with lung disease, children, older people, and those who are more exposed to SO2 are at higher risk of the skin and lung diseases.

2. Is the ozone hole causing climate change?

Ozone depletion and climate change are linked in a number of ways, but ozone **depletion is not a major cause of climate change**. Atmospheric ozone has two effects on the temperature balance of the Earth. ... It also absorbs infrared radiation emitted by the Earth's surface, effectively trapping heat in the troposphere.

3. What are some effective ways to clean-up polluted water? Support your answer.

* Properly dispose of hazardous household items. ...
* Reduce or eliminate use of fertilizers and chemical herbicides and pesticides. ...
* Make an appointment to service your septic system. ...
* Landscape with native plants. ...
* Eliminate bare spots in your yard. ...
* Make a rain garden.

# POST-TEST

* Synthesize journal articles (at least 5 articles - local) related to species extinction (by group).

*Criteria:*

* + Composition- 13
  + Organization- 5
  + Originality/Citation- 5
  + Grammar- 2