



Grades 7 – 9

Unit 4 Guiding Questions and Assessments

Activity 4.1: Faces of Climate Change

Guiding Questions

- How does your character's life compare to your life?
- How is your character's life affected by climate change?
- How can people from different perspectives agree on solutions to climate change?

Assessment(s)

- Faces of Climate Change Worksheet
- Student writing activity: Faces of Climate Change

Activity 4.2: Climate Change Impacts on Ecosystem Services

Guiding Questions

- What are the effects of climate change on ecosystems and ecosystem services?
- What are the impacts of climate change on different parts of the world?

Assessment(s)

- Regional Impacts of Climate Change—Research Checklist
- Student Presentation on the impacts of climate change on their chosen country

Activity 4.3: Calculating your Ecological Footprint

Guiding Questions

- What is the impact of my lifestyle on the planet?
- What steps can I take to reduce my impact on the planet?

Assessment(s)

- Exit slip homework brought to the next class as an entrance slip: Here are five ways my family and I decided that we could realistically reduce our carbon footprints.
- As prep for Activity 4.4, have students record information about their home, apartment, etc. How many square feet is their home? Do they have gas or electric stoves and water heaters? Are their windows one pane of glass or two? Have they installed any compact fluorescent light bulbs in any of their lights or lamps? Have students make a list of things they use around their home that consume energy.
- Students' completion of class work, exit slips.



Activity 4.4: Personal Choices and the Planet

Guiding Questions

- What steps can I take to reduce my impact on the planet?
- How can we at school reduce our ecological footprint?

Assessments

- Results of school sustainability audit, presented to teachers, staff, principal etc.

Full Unit 4 Pre- and Post Assessments covering Activities 1 through 4