

Name _____

The Greenhouse Effect: A Case Study Answer Key

(Sample Responses)

1. The enhanced greenhouse effect traps extra heat, warming the air and oceans, which speeds up glacier melting.
2. Melting ice adds more water to the oceans, raising sea levels and threatening faraway coastal regions with flooding.
3. Small island nations are low-lying, so even small rises in sea level can cover large areas of land and endanger entire communities.
4. We may see stronger storms, disrupted ecosystems, food and water shortages, and even mass migration of people from flooded areas.
5. Local action: planting trees or using renewable energy in communities.
Global action: international agreements to cut greenhouse gas emissions.