Assessment Rubric

Carbon Footprint

**The Carbon Cycle**

1. The student can define the global carbon cycle and can name at least two carbon sinks.

2. The student can show and explain his or her demonstration of the greenhouse effect and can name

two greenhouse gases.

3. The student can contrast the terms *greenhouse effect*, *global warming*, and *climate change*.

4. The student can list two ways humans contribute to global warming and two effects global warming

is having on the environment.

**Transportation Footprint**

1. The student can explain what is meant by the term *carbon footprint*.

2. The student can give an example of something that affects a person’s carbon footprint.

3. The student can name three ways a person can change his or her transportation habits to improve his

or her carbon footprint.

4. The student can explain one way he or she can help his or her parents reduce their car’s carbon

footprint.

**Measuring Carbon Footprint**

1. The student can list four major areas that contribute to an individual’s carbon footprint.

2. The student can explain how the United States’ carbon footprint impacts undeveloped countries.

3. The student can explain and give an example of carbon offsets.

4. The student can list 10 ways a person can decrease his or her carbon footprint.