Project: The Greenhouse Effect

RUBRIC

Name: Class: Date:

**RESOURCES DUE DATE: Monday 05 November 2018**

1. Text book
2. Videos from class
3. Greenhouse diagram constructed in class

**OVERVIEW**

This is a two-part project.

Part 1 is a colored scientific illustration of Earth’s greenhouse effect.

Part 2 is a typed, two-paragraph report explaining the greenhouse effect and its impact on Earth and Venus. Each part of the project receives its own grade. Each grade is equivalent to a summative assessment (test) grade.

**PART 1: SCIENTIFIC ILLUSTRATION**

Draw a colored scientific illustration of how the greenhouse effect works on Earth.

 Breakdown of points:

1. Include a picture of the sun, Earth, Earth’s atmosphere and placement of

 greenhouse gases—include names of five greenhouse gases. (50 pts)

1. Show five different ways heat is transmitted, absorbed, reflected, radiated,

 or conducted using arrows—label the arrows to explain the way. (35 pts)

1. Use at least five colors in the diagram. (15 pts)

The scientific illustration is expected to be to the best of the student’s ability. The colored illustration may be hand drawn or computer generated in a Google Slide.

If hand-drawn, students should use straight edges and objects to draw shapes—and refrain from free-hand drawing. Captions should be printed (not cursive). Points will be subtracted for messy work and lack of what appears to be purposeful drawing.

**PART 2: GREENHOUSE EFFECT REPORT**

Type a two-paragraph report.

Rough draft due Friday for peer review. (10 pts)

1) Explain the greenhouse effect (20 pts)

2) Explain Venus’ atmosphere and the greenhouse effect on its planet . (35 pts)

3) Explain Earth’s atmosphere and the greenhouse effect on its planet. (35 pts)

Your report should be typed using 12 pt. Times font.

Your report should be a Google Doc and will be submitted through Google Classroom.

Include a title, your name, class and the date—following the format explained in Literature class.

Report is expected to be grade-level appropriate work. Points will be subtracted for incomplete sentences and thoughts and not following grammar and spelling conventions.