

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Pd: \_\_\_\_\_

### Pre-Assessment for Climate Change Online Labs

1. Which of the following gases is NOT a greenhouse gas?
  - a. methane
  - b. carbon dioxide
  - c. water vapor
  - d. helium
  
2. How do greenhouse gases affect Earth's climate?
  - a. Greenhouse gases hold heat in our atmosphere.
  - b. Greenhouse gases destroy ozone.
  - c. Greenhouse gases destroy marble statues.
  - d. Greenhouse gases cause volcanoes to erupt.
  
3. Which of the following is NOT an impact of adding carbon dioxide to the atmosphere?
  - a. rising atmospheric temperatures
  - b. sea level rise
  - c. more coal available
  - d. ocean acidification

#### True/False

4. \_\_\_\_\_ If global temperatures continue to rise, glaciers will melt at a more rapid pace and their meltwater will cause sea levels to rise.
  
5. \_\_\_\_\_ According to scientific data, CO<sub>2</sub> levels have reached a level the Earth has not experienced over the past 100,000 years.

#### Short Answer

6. Name one greenhouse gas and describe how it affects Earth's climate.

---

---

---

---

---

---

---

---



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Pd: \_\_\_\_\_

### Post-Assessment for Climate Change Online Labs

1. Which of the following gases is NOT a greenhouse gas?
  - a. methane
  - b. carbon dioxide
  - c. water vapor
  - d. helium
  
2. How do greenhouse gases affect Earth's climate?
  - a. Greenhouse gases hold heat in our atmosphere.
  - b. Greenhouse gases destroy ozone.
  - c. Greenhouse gases destroy marble statues.
  - d. Greenhouse gases cause volcanoes to erupt.
  
3. Which of the following is NOT an impact of adding carbon dioxide to the atmosphere?
  - a. rising atmospheric temperatures
  - b. sea level rise
  - c. more coal available
  - d. ocean acidification

#### True/False

4. \_\_\_\_\_ If global temperatures continue to rise, glaciers will melt at a more rapid pace and their meltwater will cause sea levels to rise.
  
5. \_\_\_\_\_ According to scientific data, CO<sub>2</sub> levels have reached a level the Earth has not experienced over the past 100,000 years.

#### Short Answer

6. Name one greenhouse gas and describe how it affects Earth's climate.

---

---

---

---

---

---

---

---