



ORACLES OF TRUTH™  
ACADEMY

## Carbon Emissions Review, Part 2

### The Periodic Table and Greenhouse Gases

**Notice:** The teleconference bridge may be recorded



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### Carbon Emissions Review, Part 2

1. **Introduce** yourself, as needed.
2. **Ask** students to introduce themselves, as needed.
3. **Ask** students to share the following:
  - What is your name?
  - One fun fact about yourself.
  - What you hope to get out of the training?

**Time:** 3-minutes

# topics covered



- Review Time
- Greenhouse Gases + Periodic Table
- Global Warming: Causes + Effects
- Gamification Quiz



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2

## Topics Covered

1. **Review** the topics to be discussed.
2. **Remind** students that active participation, interaction and inquiry are required actions and they should be self-motivated to engage in lively, provocative discussions.

**Time:** 2-minutes

# review time



- Access the RITMO Community.
- Log in to your account.
- Go to the Eco-friendly Emissions for Youth and Adults (eModule).
- Reread Lesson 3: Carbon Emissions, Part 2.

10 minutes



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3

## Review Time

1. **Ask** learners to access the RITMO Community and login to their Member Account.
2. **Ask** them to go to the Eco-friendly Emissions for Youth and Adults (eModule).
3. **Ask** learners to reread Lesson 3: Carbon Emissions, Part 2.

**Time:** 5-minutes

# greenhouse gases + periodic table



- Watch the video.

CO<sub>2</sub> Elements

[Click to Watch](#)

CH<sub>4</sub> Elements

[Click to Watch](#)

N<sub>2</sub>O Elements

[Click to Watch](#)

CO Elements

[Click to Watch](#)



5:12 minutes

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4

## Greenhouse Gases + Periodic Table

1. **Review** each video with learners.

**Time:** 5:12-minutes

# greenhouse gases + periodic table (cont.)



- Watch the video.

O<sub>3</sub> Elements

[Click to Watch](#)



5:39 minutes

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5

## Greenhouse Gases + Periodic Table (cont.)

1. **Review** the video with learners.

**Time:** 5:39-minutes

● Watch the video.

## Causes and Effects of Global Warming

[Click to Watch](#)



5:59 minutes

### Global Warming

1. **Review** the video with learners.

**Time:** 2:29-minutes



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## Gamification Quiz

- A correct answer participant receives points and value.
- An incorrect answer participant loses points and value.

Gamification Point Scale

| Activity           | Points | Value  |
|--------------------|--------|--------|
| Easy Question      | 1      | \$1.00 |
| Video Question     | 3      | \$3.00 |
| Difficult Question | 5      | \$5.00 |

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7

### Gamification Quiz

1. Review Lesson 3: Carbon Emissions Review, Part 2 with participants.
2. Use the Gamification Point Scale to keep track of each student's score.
3. Conduct a round robin with participants and have them answer the questions. Note: A correct answer the participant receives the positive points and value.. An incorrect answer participant receives negative points and value.
4. Keep a tally of all points and dollar value earned by each participant for each gamification review activity.
5. Participants must complete the full eCourse (eModule + eClass) to earn their stipend at the end of the training.

## question #1



Carbon Dioxide is a compound gas made up of one carbon atom and how many oxygen atoms? Enter the answer in the field below.

Value: 1 point

**Answer**  
2 or two

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8

### Question #1

1. Present the question to all participants. The first hand raised gets to answer the question.
2. If answered correctly, participant earns points and value. Tally points and value for the participant. Go to next question.
3. If answered incorrectly participant loses points and value. Tally points and value. Allow another participant a chance to answer the question. If the second participant answers correctly, participant. Earns points and value. Tally points and value. If answered incorrectly participant loses points and value. Tally points and value.
4. Show the correct answer after the second failed attempt to answer the question.
5. Go to next question.



## question #2



1. Nitrous Oxide is a compound gas made up of what quantity of the following elements? Select the best answer.

- A. One nitrogen atom and two oxygen atoms
- B. Two nitrogen atoms and two oxygen atoms
- C. Two nitrogen atoms and one oxygen atom
- D. One nitrogen atom and one oxygen atom

Value: 1 point

**Answer**

**C**

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9

### Question #2

1. Present the question to all participants. The first hand raised gets to answer the question.
2. If answered correctly, participant earns points and value. Tally points and value for the participant. Go to next question.
3. If answered incorrectly participant loses points and value. Tally points and value. Allow another participant a chance to answer the question. If the second participant answers correctly, participant. Earns points and value. Tally points and value. If answered incorrectly participant loses points and value. Tally points and value.
4. Show the correct answer after the second failed attempt to answer the question.
5. Go to next question.

## question #3



Methane is a compound gas made up of one carbon atom and how many hydrogen atoms? Enter the answer in the field below.

Value: 1 point

**Answer**  
4 or four

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10

### Question #3

1. Present the question to all participants. The first hand raised gets to answer the question.
2. If answered correctly, participant earns points and value. Tally points and value for the participant. Go to next question.
3. If answered incorrectly participant loses points and value. Tally points and value. Allow another participant a chance to answer the question. If the second participant answers correctly, participant. Earns points and value. Tally points and value. If answered incorrectly participant loses points and value. Tally points and value.
4. Show the correct answer after the second failed attempt to answer the question.
5. Go to next question.

## question #4



Carbon Monoxide is a compound gas made up of one atom from which two elements? Enter the answer in the field below.

Value: 1 point

**Answer**  
Carbon and Oxygen

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11

### Question #4

1. Present the question to all participants. The first hand raised gets to answer the question.
2. If answered correctly, participant earns points and value. Tally points and value for the participant. Go to next question.
3. If answered incorrectly participant loses points and value. Tally points and value. Allow another participant a chance to answer the question. If the second participant answers correctly, participant. Earns points and value. Tally points and value. If answered incorrectly participant loses points and value. Tally points and value.
4. Show the correct answer after the second failed attempt to answer the question.
5. Go to next question.

## question #5



Which of the following cause air pollution from carbon emissions? Select all that apply.

- A. Eating
- B. Smog
- C. Fire
- D. Breathing

Value: 1 point

**Answer**  
B, C, and D

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12

### Question #5

1. Present the question to all participants. The first hand raised gets to answer the question.
2. If answered correctly, participant earns points and value. Tally points and value for the participant. Go to next question.
3. If answered incorrectly participant loses points and value. Tally points and value. Allow another participant a chance to answer the question. If the second participant answers correctly, participant. Earns points and value. Tally points and value. If answered incorrectly participant loses points and value. Tally points and value.
4. Show the correct answer after the second failed attempt to answer the question.
5. Go to next question.

## question #6



Which of the following are examples of man-made carbon emissions effecting the planet?

- A. Agriculture
- B. Transportation
- C. Energy Consumption
- D. Manufacturing

Value: 1 point

**Answer**  
A, B, C, and D

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13

### Question #6

1. Present the question to all participants. The first hand raised gets to answer the question.
2. If answered correctly, participant earns points and value. Tally points and value for the participant. Go to next question.
3. If answered incorrectly participant loses points and value. Tally points and value. Allow another participant a chance to answer the question. If the second participant answers correctly, participant. Earns points and value. Tally points and value. If answered incorrectly participant loses points and value. Tally points and value.
4. Show the correct answer after the second failed attempt to answer the question.
5. Go to next question.

## question #7



Which of the following is not a compound gas? Select the best answer.

- A. Carbon Dioxide
- B. Nitrous Oxide
- C. Tropospheric Ozone
- D. Methane

Value: 1 point

**Answer**

C

### Question #7

1. Present the question to all participants. The first hand raised gets to answer the question.
2. If answered correctly, participant earns points and value. Tally points and value for the participant. Go to next question.
3. If answered incorrectly participant loses points and value. Tally points and value. Allow another participant a chance to answer the question. If the second participant answers correctly, participant. Earns points and value. Tally points and value. If answered incorrectly participant loses points and value. Tally points and value.
4. Show the correct answer after the second failed attempt to answer the question.
5. Go to next question.