Facilitator Guide



ORACLES OF TRUTH

### 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

Hi l'm Ory!

### topics covered



2

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



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#### **Topics Covered**

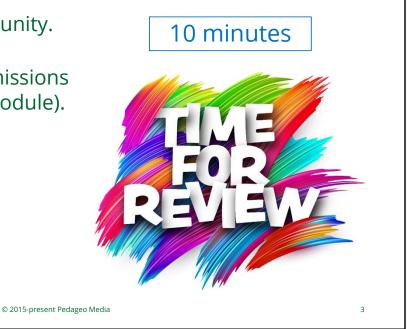
- 1. Review the topics to be discussed.
- 2. Remind students that active participation, interaction and inquiry are required actions and they should be self-motivated to engage in lively, provocative discussions.

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.



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#### **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

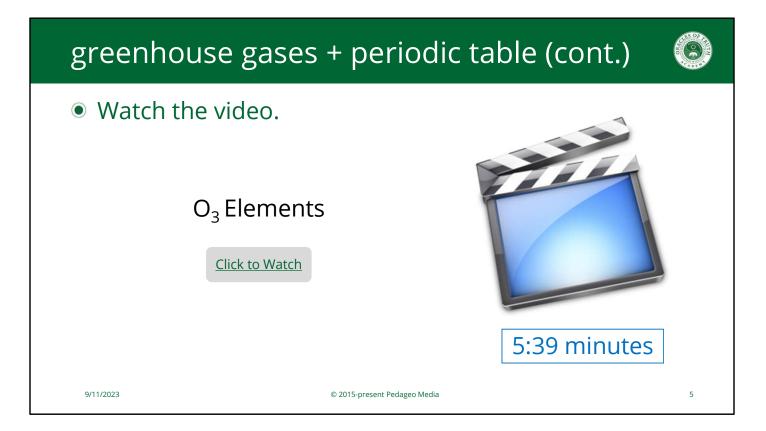




#### Greenhouse Gases + Periodic Table

1. Review each video with learners.

Time: 5:12-minutes



#### Greenhouse Gases + Periodic Table (cont.)

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

Time: 5:39-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

Easy Question1Video Question3		\$1.00
Video Question 3		
	3	\$3.00
Difficult Question 5	5	\$5.00

9/11/2023

#### **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.

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- 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.



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	
	<b>Answer</b> 2 or two	
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- 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.



9

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



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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	
		<b>Answer</b> 4 or four	
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- 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.
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- 4. Show the correct answer after the second failed attempt to answer the question.
- 5. Go to next question.



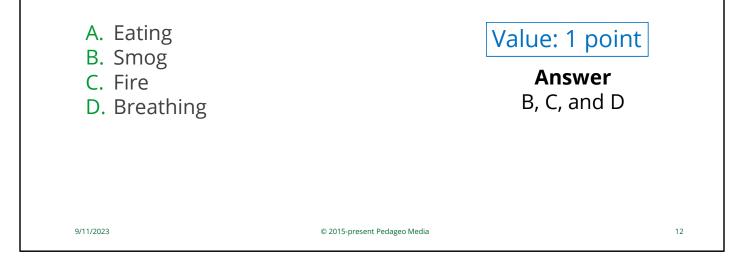
Carbon Monoxide is a compound gas made up of one atom from which two elements? Enter the answer in the field below.

	Value: 1 point	:
	<b>Answer</b> Carbon and Oxyg	en
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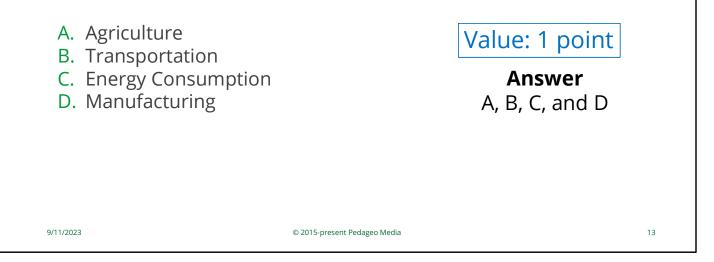
Which of the following cause air pollution from carbon emissions? Select all that apply.



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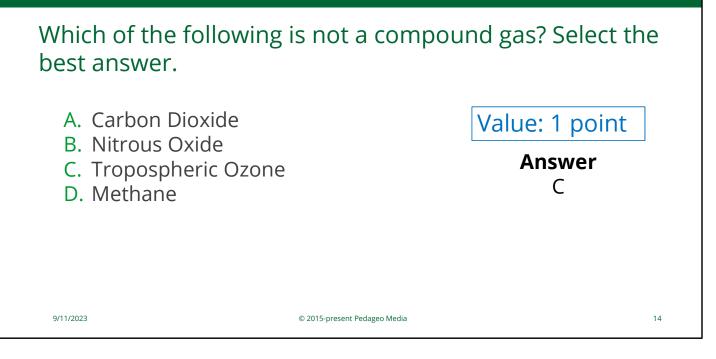


Which of the following are examples of man-made carbon emissions effecting the planet?



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