Facilitator Guide



Eco-friendly Emissions Review, Part 1

- **1. Introduce** yourself as needed.
- **2. Ask** students to introduce themselves. By conducting a round robin. (Use the class roster or randomly select students one-by-one until everyone has introduced themselves)
- **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?

topics covered



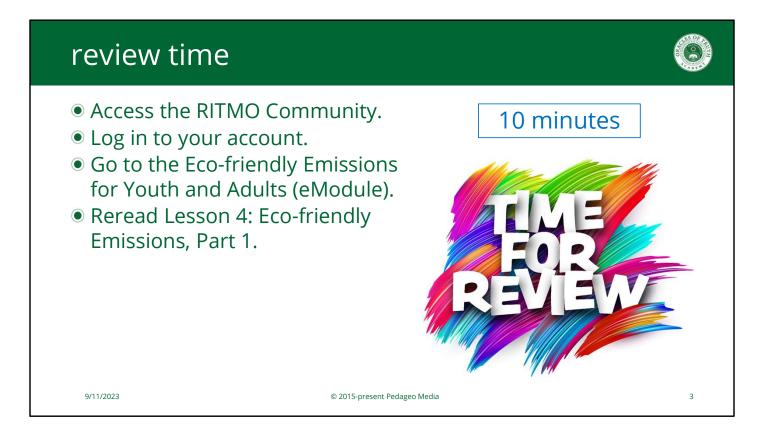
- Review Time
- Earth is Changing
- The Ocean Gives Life
- Earth's Vital Signs
- Gamification Quiz



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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.



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 4: Eco-friendly Emissions, Part 1.

earth is changing



• Watch the video.

How Do We Know the Earth is Changing?

Click to Watch



5:12 minutes

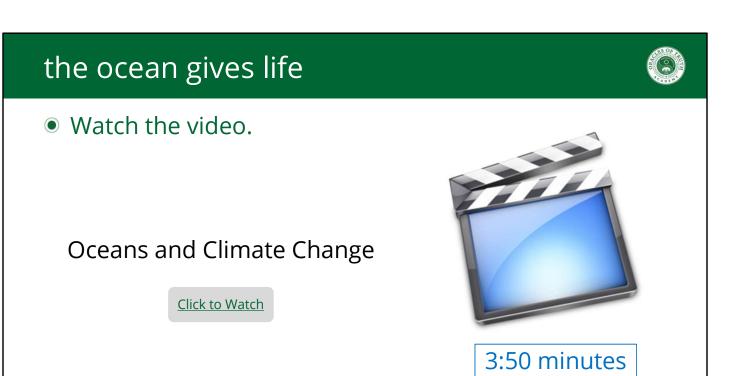
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Earth is Changing

1. Watch video with learners.



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The Ocean Gives Life

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1. Watch video with learners.

Time: 3:50 minutes



Earth's Vital Signs

1. Watch video with learners.

Time: 2:44 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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Gamification Quiz

- 1. Review Lesson 4: Eco-friendly Emissions Review, Part 1 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.



The Ozone Hole found in the Earth's ozone layer in 2021 was larger and deeper that 70% of ozone holes since 1979, reaching a maximum area of 24.8 million km².

- A. True
- B. False

Value: 1 point

Answer

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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.



Watch the State of Global Climate 2021 video, then answer the question. What date do you think the ozone hole was the largest in 2021?

- A. November 15
- B. September 20
- C. December 21
- D. October 7



Value: 5 points

Answer

Click to Watch

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Question #2

- 1. Present the question to learners.
- 2. Click the Watch link to preview the video. Note: You must be logged into the RITMO Community site to display the view to learners on the project screen.
- 3. Scroll down the page to the topic Earth's Climate Condition to the second video on the page.
- 4. Click View Video button to display the video.
- 5. Return to the PowerPoint once learners have watched the video and are ready to answer the question.



According to the World Meteorological Organization, "Land ecosystems and oceans absorb about half the CO₂ in the Earth's atmosphere and are a buffer against even greater temperature increases."

A. True

B. False

Value: 1 point

Answer

Α

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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.



Earth's global average temperature is _____ hotter than it was in 1880.

Value: 5 points

Answer 2.1 °F

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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.



What are Earth's vital signs? Select all that apply

- A. Atmosphere
- B. Temperature
- C. Sea Ice
- D. Sea Level

Value: 1 point

Answer A, B, C, and D

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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.



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The Ozone Hole found in the Earth's ozone layer in 2021 was larger and deeper than _____ of ozone holes since 1979, reaching a maximum area of _____ million km². Select the best answer.

A. 70%, 24.8

B. 50%, 22.4

C. 24.8%, 70

D. 70% 50.8

Value: 1 point

Answer

Α

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Question #6

1. Present the question to all participants. The first hand raised gets to answer the question.

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- 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.



"The Earth now has ______ parts of carbon dioxide for every million parts of air." Select the best answer.

A. 818

B. 416

C. 214

D. 916

Value: 5 points

Answer B

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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.