



High School Science Virtual Learning

Environmental Science

Individuals Reducing Climate

Change

May 1, 2020



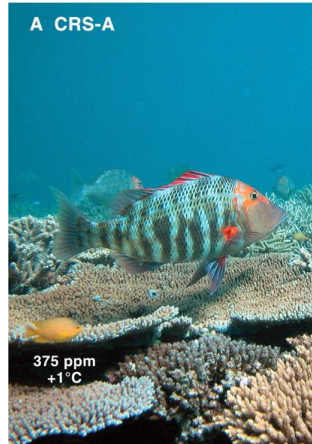
High School Environmental Science

Lesson: May 1, 2020

Objective/Learning Target:

Students will identify the means individuals can reduce climate change.

1. What is happening to the coral in the photos?
2. What would be a benefit for oceans if we reduce climate change?



1. As the temperatures increase the coral is losing color and dying.
2. Increased biodiversity, slow the death rate of coral, and slow the death rate of the fish that rely on coral.



Lesson Activity:

Directions: You will be reading two articles as they both cover what individuals can do beyond legislation to reduce Climate Change. You will want to take notes as you explore to organize your thoughts. Here is an example of how:

Current changes	CFCs	Energy	Food	Products	Humans
Problem					
What more can be done?					

Link(s): [What Can I Do?](#) [Earth Day reminders](#)



Practice

You will use the notes and BBC article from the activity on slide 5 to answer the following questions.

Practice Questions

1. What is the single most important thing humanity has to do in the coming years?
2. What is the number-one most effective action an individual could take?
3. By reducing your consumption of animal protein by half, how much of your diet's carbon footprint would be cut?
4. Why would shopping smarter on clothing make a difference?
5. If someone is trying to get people to install solar panels, how could you be more successful?



Answer Key

Once you have completed the practice questions check with the work.

1. Limiting the use of fossil fuels such as oil, carbon, and natural gas.
2. Going car-free
3. Your diet's carbon footprint would be cut by more than 40%
4. The clothing sector represents around 3% of the world's global production emissions of CO₂
5. You can be up to 62% more successful in the efforts if you had solar panels in your home too.



More Practice

You will use the notes and Earth Day link from the activity on slide 5 to answer the following questions.



More Practice Questions

1. How many years has deliberate celebrations of Earth Day have transpired?
2. In a 2019 report by CIEL, the production and incineration of plastic pumped out how much greenhouse gas?
3. What are alternatives to plastic?
4. Livestock that produce meat, milk, and eggs are collectively responsible for how much of global greenhouse gas emissions?
5. If you live in a place with little to no solar or wind energy, what are two things you can do to improve electric usage?



Answer Key

Once you have completed the practice questions check with the work.

1. 50 years as of April 22, 2020
2. 85 crore tonnes
3. Stainless steel, glass, and cloth
4. 15% of global greenhouse gas emissions.
5. Using electricity-efficient appliances and turning off devices when not in use



Additional Practice

If you would like to explore what more you as an individual or teenager can do to help reduce Climate Change you can check out these resources:

[What Can A Teen Do About Climate Change?](#)

[Individual solutions to climate change](#)

[Changes to the world with 1.5-2 degree increase](#)

[Easiest ways to cut energy](#)