



High School Science Virtual Learning

**Environmental Science**

**Ozone Depletion Regulations**

April 21, 2020



# High School Environmental Science

## Lesson: April 21, 2020

### **Objective/Learning Target:**

Students will assess relevant Laws and Treaties for Ozone depletion regulations.



1. What was the biggest legislative piece that limits CFCs?
2. What is an addition to a law or protocol called?

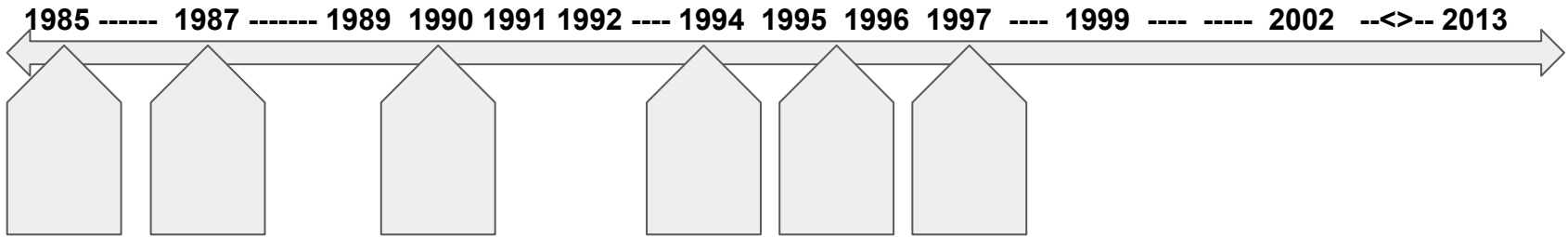


1. Montreal Protocol

2. Amendment

# Lesson Activity:

**Directions:** You will be reading the following article and reviewing the Environment agency's timeline. As you are reading, make sure to take notes to help you organize your thoughts. You could create a list or timeline, like so:



**Link(s):** [EPA article](#)

[NEA timeline](#)



# Practice

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



## Practice Questions

1. Where was the Montreal Protocol signed in 1987(convention)?
2. According to the Montreal Protocol, how much would developed countries phase out relative to 1986 by the year 1998?
3. What provision allows for the Parties to the Protocol to change?
4. In addition to adjustments and amendments, how often do the Parties to the Protocol meet?
5. Who is responsible for issuing regular reports on progress on implementing the phaseout of ozone-depleting substances?



# Answer Key

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

1. Vienna Convention for the Protection of the Ozone Layer
2. 50% reduction
3. A unique adjustment provision to respond to new scientific information and accelerate reductions.
4. Annually
5. Advisory bodies called Assessment Panels





# More Practice

You will use the information and NEA timeline from the activity on slide 5 to answer the following questions.



## More Practice Questions

1. When was halon-1301 banned from being used in fire protection?
2. By January 1st of 1995 all new cars must have what?
3. How long was the biggest gap between adaptations in the regulations, why would this occur in the US?
4. When were CFCs finally banned from being imported?
5. What is one way to control the use of HFCs?



# Answer Key

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

1. January 1, 1992
2. Non-CFC air-conditioning systems
3. 11 years between 2002 and 2013, difference in Politics, war going on, etc.
4. January 1, 1996
5. Require licensing and permits to use, transport, sell, ect.



## Additional Practice

If you are interested in learning more about how the Montreal Protocol is working towards the goals set forth you can use this link to answers to frequently asked questions:

[EPA frequently asked questions](#)

[EPA packet](#)