

— RESET EARTH  
CLASS  
WORKSHEET  
EPISODE 3 LESSON 3 —





# THE BIG IDEA

1. There were many events throughout history that led to the depletion of the ozone layer.
2. Individual action for the environment can make a difference.
3. While the ozone layer is healing, we need to keep working to protect it.

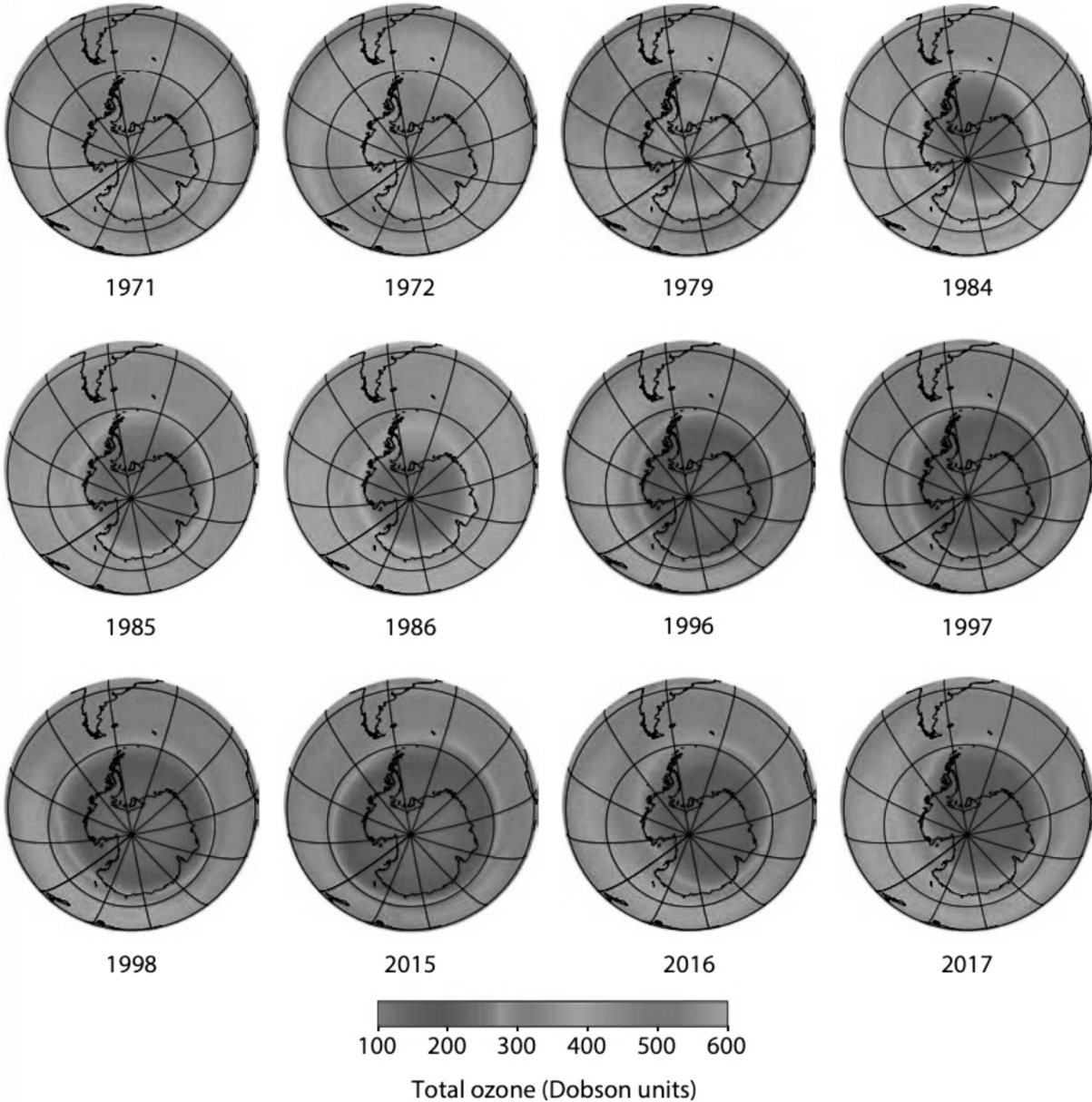
## I CAN / I WILL / OUTCOME STATEMENT

- > I can identify the key events that played a role in ozone layer depletion, as well as its protection.
- > I understand how the ozone layer is measured and recorded across the globe.
- > I can take action and inspire change.

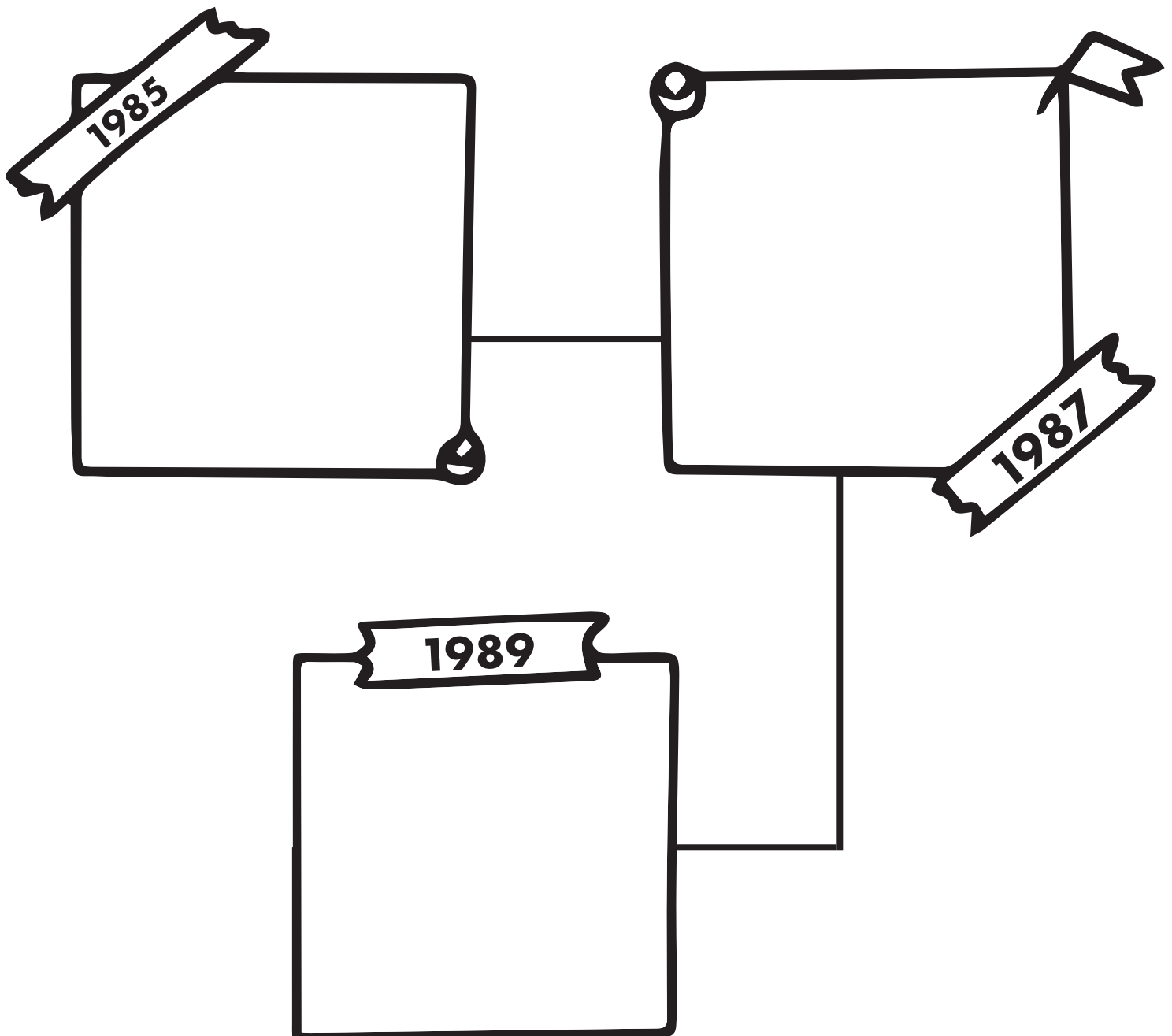
## OZONE LAYER MEASUREMENT

Below are some measurements of ozone layer over Antarctica throughout time. Circle the reading that had the lowest ozone layer measurement. What trend do you notice in the years following the lowest reading?

(October monthly averages)



Based on the above graphic, jot down on the below timeline which events you think contributed to this recovery. Include two to three facts per event.



If you were the head of one of the Assessment Panels, what would you do to help protect the ozone layer?

### **Scientific Assessment Panel (SAP)**

1.

2.

### **Technology And Economic Assessment Panel (TEAP)**

1.

2.

### **Environmental Effects Assessment Panel (EEAP)**

1.

2.

Know wrote a letter to the Young Scientists' Academy. Drawing inspiration from Knox, draft a letter or create a poster to an environmental leader of your choice to empower them to continue their journey of environmental change. Which environmental leader did you choose and why?

**Who did you choose?**

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**Why did you choose this person?**

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While the Montreal Protocol has led to regulations for the use of ODSs (ozone-depleting substances), which are potent greenhouse gases, there are still many other greenhouse gases that can impact human health over time, specifically by their contribution to climate change. Using the “I pledge...” sheet, commit to help protect the environment. Share in the hallway of your school to encourage other students to make a change.

## I pledge

Our heroes have completed their mission, and 2084 become a very different life than what they knew. What do you think 2055, 2084 and 2100 will look like in our world with the Montreal Protocol in effect?

**2055****2084****2100**

Are there any other environmental concerns that may change our planet?





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