

Bozeman AP Environmental Science | Big Idea #7 - Global Change
033 - Stratospheric Ozone

Name: _____ Block/Period: ____ Date: _____

Students: It is recommended that you watch the video with subtitles ON; be prepared to pause and rewind. The video is ~10 minutes long, but this worksheet will take you around ~30 to 35 minutes to complete. There will be a review / discussion afterwards requiring you to record corrections AND summarize additional material / information.

Description (-½ point for each time the rubric is not followed)	Point Value
Each question has been answered	0 ½ 1
Each question has been answered in a full sentence	0 ½ 1
Each answer has avoided 'it' or 'they' statements, by being clear on the topic of the answer	0 ½ 1
<i>Review:</i> Answers that were incorrect are corrected, <i>in a different color</i>	0 ½ 1
<i>Discussion:</i> 2 OR more <i>summary</i> statements of the additional material / information, <i>in a different color</i>	0 ½ 1
Score:	____ / 5

1. **Describe** the purpose of Sunscreen.

2. **Explain** why we need a Stratospheric Ozone layer.



4. **Explain** what Tropospheric (Bad) Ozone can cause.

5. **Analyze** why it makes sense that large amounts of Ozone would exist high in the atmosphere.

6. **Draw & Label** diagrams showing Solar Formation of Ozone and its Breakdown.

7. **Explain** the process of Chlorofluorocarbons (CFCs) breaking down Ozone.



8. **Describe** why an Ozone hole would form at the poles first.

9. **Describe** the outcome of the Montreal Protocol (1989).

