

# Points from Assignment 1-2

- Most of you managed to do quite well at looking up the information and writing it down, however, where you lost points was for not thinking about the **why's** and **how's** of the answers. For example:
  - **How** does ozone block UV?
  - **How** is ozone broken down? By what?
  - Many of you are confused as to what compound is causing the depletion of the ozone layer. It is **CFC's** that are causing the ozone layer to be broken down through reactions between chlorine monoxides, formed from the breakdown of CFC's and **O<sub>3</sub>**.

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- Why does the UV index vary between the summer and winter? \*hint: why do we have summer and winter?
- Why are southern states more at risk? *This has to do with the fact that southern states receive more direct sunlight than Northern states (could this answer help you answer the summer and winter point?)*
- Don't make broad sweeping statements without backing them up. *“Global warming has resulted from ozone depletion.”* **How?**
- *“More ozone depletion will cause more bad things to happen, like Hurricane Katrina.”* What sorts of bad things **how** does it relate to the ozone hole?

# Points from Assignment 1-2

- Very few of you mentioned the percentages of active ingredients in your product comparisons. Kudos to you who realized that the percentage was important.

All these comments may seem scary but just so you don't worry too much the average grade was 25/35 or 71%, which is a decent average.

Just study up on the causes of ozone depletion (much as we like to blame everything on it, ozone depletion at least is not caused by CO<sub>2</sub>.)

Figure out why the seasons have such different UV indices (could it have something to do with the tilt of the Earth and sunlight hitting the north or south more directly depending on the time of year?).

Finally study up on what is the Greenhouse Effect. Ozone plays a very minor role in this.