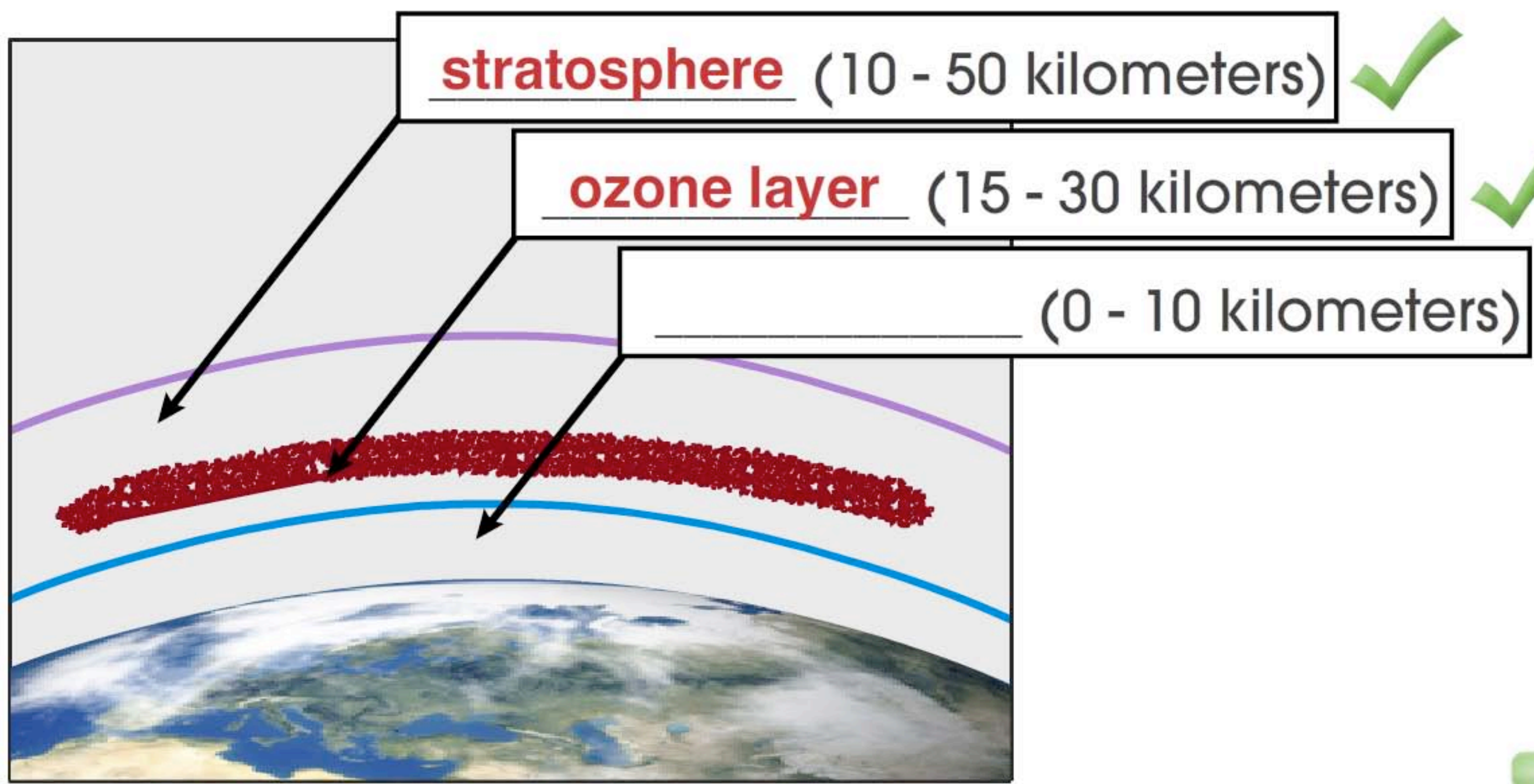


Earth's Atmospheric Layers

Label the diagram below by dragging the words from the list.

troposphere





Ozone can be found in two places in the atmosphere. In the stratosphere, radiation from the Sun turns oxygen into **ozone**. This forms the **ozone layer**, which protects living things from harmful radiation from the Sun. A tiny bit of the **ozone** from the **ozone layer** mixes into the lower atmosphere, in the troposphere. So, the troposphere contains a tiny amount of **ozone** naturally. However, human activities have caused more **ozone** to form in the troposphere. **Ozone** in the troposphere acts as a greenhouse gas, trapping radiation and leading to warming.





Which compounds from tailpipes break down in sunlight to make ozone in the troposphere?

- A) carbon and water
- B) hydrogen and water
- C) carbon and nitrogen
- D) hydrogen and nitrogen

**WELL
DONE!**



Open Discussion:

Explain how burning gasoline in cars and trucks leads to the increase in ozone in the troposphere.