

What is the current level of CO₂ concentration in Earth's atmosphere?

- A. 400 ppm B. 200 ppm C. 1000 ppm D. 200 ppb

The current concentration of CO₂ in the atmosphere is 400 ppm, and there has been a linear increase in the CO₂ concentration in recent years, from ca. 390 ppm in 2012, to 395 ppm in 2013 and has surpassed 400 ppm in 2016. The latest update from October 2016 shows that the CO₂ level is 401.57 ppm.

Please see details in the trend shown below

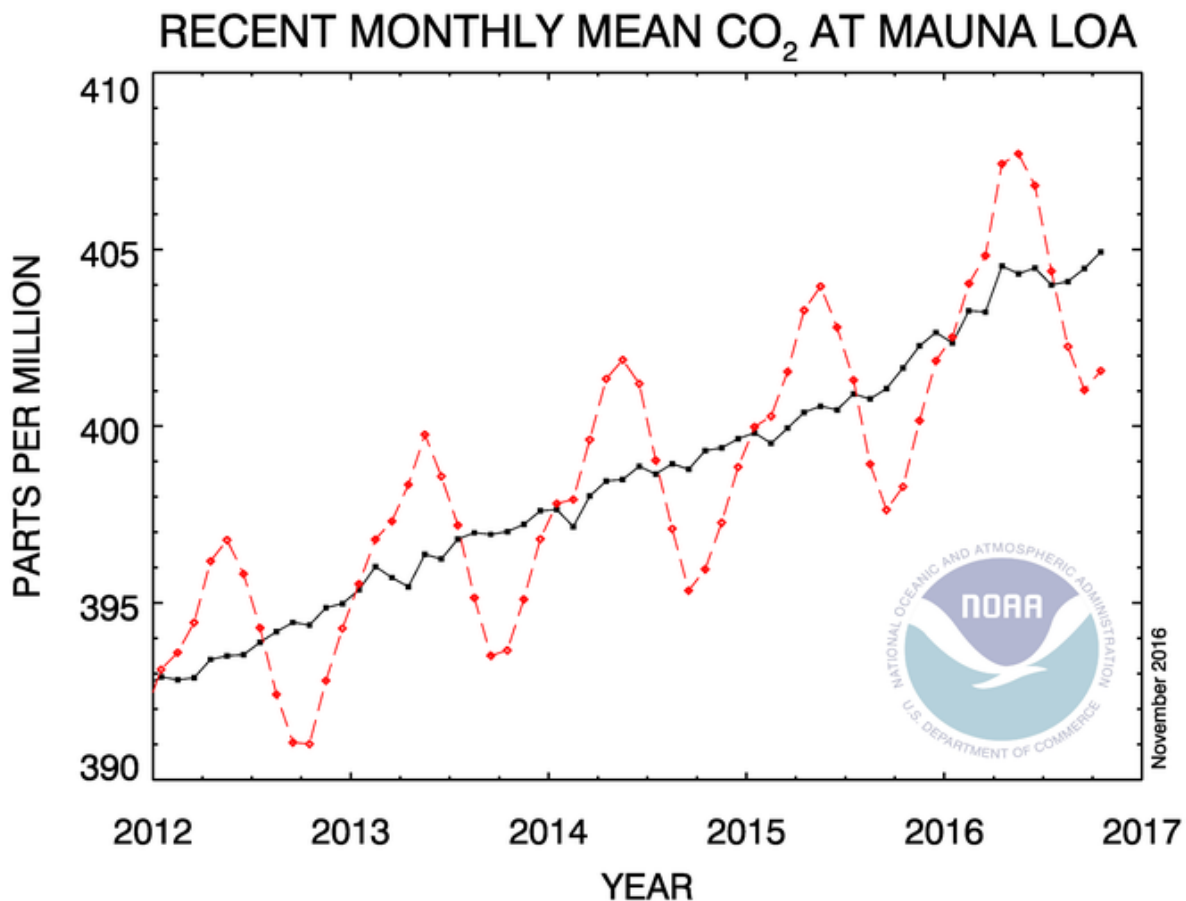


Fig.1 The graph of trends in atmospheric CO₂ concentrations measured at Mauna Loa Observatory, Hawaii. The dashed red line represents the monthly mean values, and the black line represents the corrected value for seasonal cycle.

Reference:

NOAA Earth System Research Laboratory, Global Monitoring Division

<http://www.esrl.noaa.gov/gmd/ccgg/trends/index.html>