

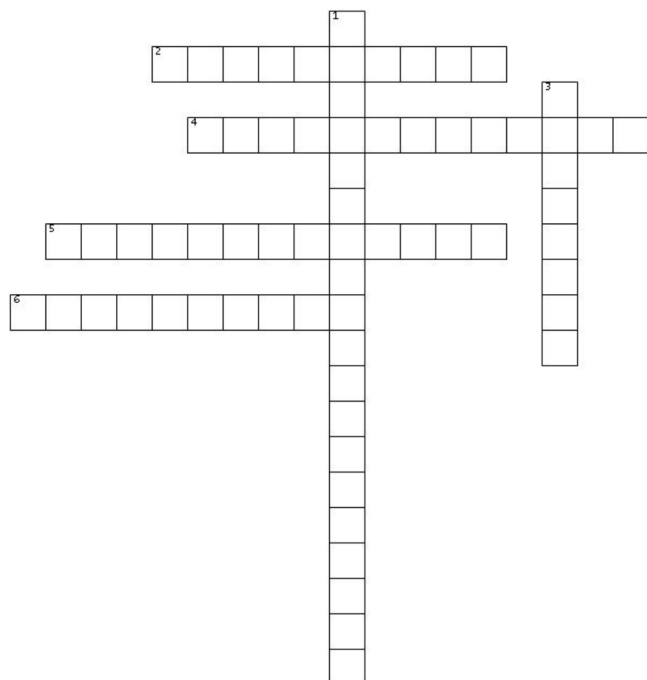


Daniel Cziczko

Atmospheric Chemist



Dan Cziczko is an atmospheric scientist interested in the interrelationship of particulate matter and cloud formation.



ACROSS

- 2. Harmful substances in the air.
- 4. A gas that is often found in pollution
- 5. The process of global warming.
- 6. A layer of gas in the Earth's atmosphere that protects us from harmful UV rays.

DOWN

- 1. Scientists who study the air around us.
- 3. The main gas in the Earth's atmosphere.

Atmospheric chemists study the chemistry of the Earth's atmosphere. They investigate the composition, reactions, and processes that occur in the air around us. This includes researching:

Air pollutants: Identifying and measuring harmful substances like smog, acid rain, and greenhouse gases.

Climate change: Analyzing the chemical processes that contribute to global warming and climate patterns.

Ozone layer: Studying the depletion of the ozone layer and its impact on Earth's radiation balance.

Atmospheric composition: Examining the levels of various gases, including oxygen, nitrogen, carbon dioxide, and water vapor.

Their work involves collecting data from field studies, conducting laboratory experiments, and using computer models to simulate atmospheric processes. Their findings help us understand environmental issues and develop strategies to protect our planet.

Find more careers at <https://www.purdue.edu/science/K12/stemcareers.html>

