**Teacher Summary What Is Air? For Distance Learning**

**Brief Description and Background Information**

*What Is Air?* Is a brief introduction to the properties of air using two [It’s Our Air](https://deq.nc.gov/about/divisions/air-quality/air-quality-outreach/air-quality-public-involvement/air-awareness/its-our-air) videos, quizzes, and a worksheet for evaluation. . The videos introduce the composition of the atmosphere, how the atmosphere redistributes heat and creates weather, and introduces the basic concept of air pollution. For background information and classroom activities please refer to the [What Is Air? Activity Guide](https://files.nc.gov/ncdeq/Air%20Quality/airaware/itsourair/pdf/IOA_1-1_Act_Air_100115.pdf).

**Activity**

Step One: Have the students watch the *What Is Air?* Videos. You may want to give the students the option of filling out the form while watching the videos.

Step Two: DAQ has provided several options for evaluation.

**Video Links:**

It’s Our Air Module 1-1: Video What Is Air Part One: <https://vimeo.com/114136096>

It’s Our Air Module 1-1: Video What Is Air Part Two: <https://vimeo.com/114136097>

**Student Evaluation Forms**

* It’s Our Air: What IS Air? Part 1 (includes a video link):
  + What is Air? Part One Form: <https://docs.google.com/forms/d/e/1FAIpQLSeaEgqayRpay-JnXsVLpfZUDxoYQC-wZz4b5rMAa__lOik1vQ/viewform?vc=0&c=0&w=1&flr=0>
  + What Is Air? Part One Quiz: <https://forms.gle/ojvYh9wPNTY788GR7>
* It’s Our Air: What IS Air? Part 2 (includes a video link):
  + What Is Air? Part Two Form: <https://docs.google.com/forms/d/e/1FAIpQLScG9SmJ5bdXLFYwic2-I75TLLsOAtOKg4wxNZQkHESmK1KQ_Q/viewform?vc=0&c=0&w=1&flr=0>
  + It’s Our Air: What is Air? Part Two Quiz <https://forms.gle/2T3F4vmjSLn1Xuk2A>

Kahoot Quizzes

* + What Is Air? Part One Quiz PIN: 05991468
  + What Is Air? Part Two Quiz PIN: 01778531

**Student Reflections Questions**

A) What is something you learned while watching the videos?

B) Name one thing that surprised you about the science of air?

C) Why do you think air pollution could be a problem to you?

**Distance and On-Line Learning Module**

The North Carolina Division of Air Quality had adapted some of our best curricula and activities to fit on-line and distance learning teaching. The activities are focused on one or two of the N.C. Essential Standards, but are a part of a much more comprehensive curricula such as [It’s Our Air](https://deq.nc.gov/about/divisions/air-quality/air-quality-outreach/air-quality-public-involvement/air-awareness/its-our-air/about) or the [Clair and Cam](https://files.nc.gov/ncdeq/education_outreach/AirQuality-ES-Summary-TEACHER.pdf).

NC DPI Essential Standards:

Seventh Grade Science

7.E.1: Understand how the cycling of matter (water and gases) in and out of the atmosphere relates to Earth’s atmosphere, weather and climate and the effects of the atmosphere on humans.

High School Environmental Science

EEn.2.3.1 Explain how water is an energy agent (currents and heat transfer)

EEn.2.5.1. Summarize the structure and composition of our atmosphere

EEn.2.5.5 Explain how human activities affect air quality.

[North Carolina Division of Air Quality Activities and Curricula](https://deq.nc.gov/about/divisions/air-quality/air-quality-outreach/air-quality-public-involvement/air-awareness/teachers-students)

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