

Communicating solutions: Translating complex science into action

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Jeopardy? An interactive exercise to make sense of air pollution information and solutions

Link: <https://jeopardylabs.com/play/baq-8>

A simple color-coded scale used to communicate the quality of air to the general public

M
E
N
U

| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
|--------|--------|--------|--------|--------|
| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

A simple color-coded scale used to communicate the quality of air to the general public

What is Air Quality Index (AQI)?

MENU

| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
|--------|--------|--------|--------|--------|
| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

This gas is often called the "silent killer" because it prevents your blood from carrying oxygen

What is CO (carbon monoxide)?

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| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
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| 100 | 0 | 0 | 0 | 0 |
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Pollution = emissions/meteorology
-- what happens to pollution if
"nothing" changes for emissions?

What is "nothing"?

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| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
|--------|--------|--------|--------|--------|
| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

This Latin American city
designed a “millennial” bus
transit system

What is Bogota?

| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
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| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

This European city became an example for using market mechanisms to control traffic

What is London?

| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
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| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

This Asian city took a long-term
turn to blue skies after hosting
the Olympics

What is Beijing?

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| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
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| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

Tiny particles go past the nose and throat to get trapped deep inside these "gas-exchanging" organs

What are Lungs?

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| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
|--------|--------|--------|--------|--------|
| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

Long-term exposure to air pollution can lead to a "failure/arrest" of this organ

What is Heart?

| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
|--------|--------|--------|--------|--------|
| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

Tiny "nanoparticles" have been found in this organ, and accelerating Alzheimer's disease

What is Brain?

MENU

| Team 1 | Team 2 | Team 3 | Team 4 | Team 5 |
|--------|--------|--------|--------|--------|
| 100 | 0 | 0 | 0 | 0 |
| + - | + - | + - | + - | + - |

BAQ 2026

BETTER AIR QUALITY
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Thank you for listening. For any questions, please drop me
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