

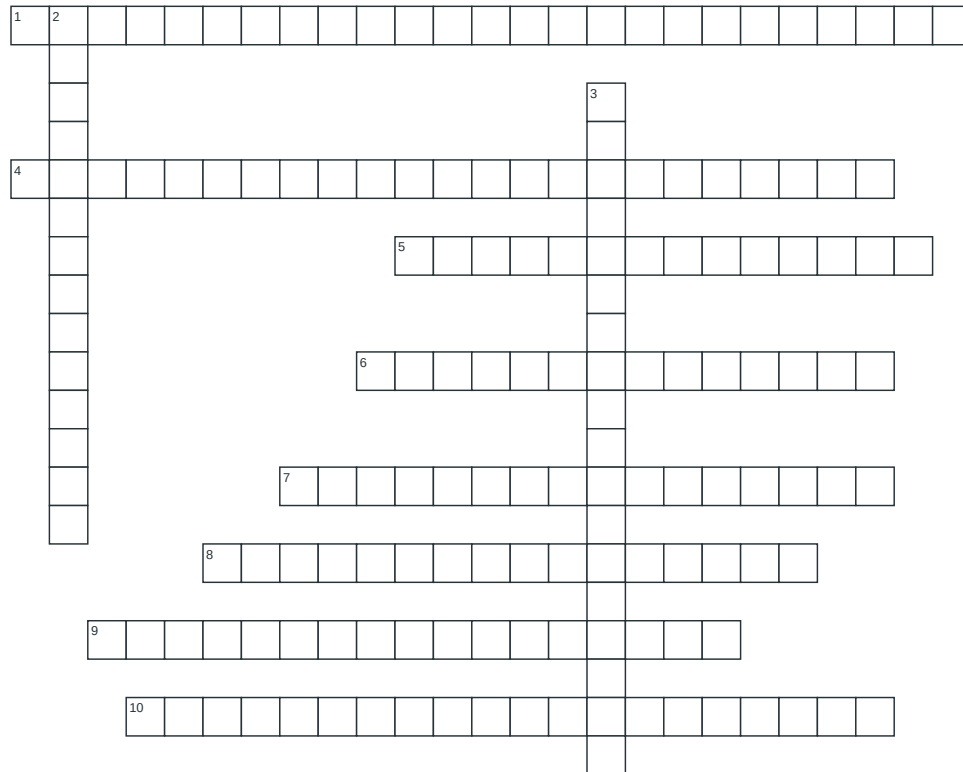
Air Quality Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

1. A sunny afternoon follows a morning with substantial ozone-precursor emissions. What pollutant formation is plausible
4. Carbon-containing compound that readily enters the air as a gas.
5. Colorless gas produced by incomplete combustion that interferes with oxygen transport
6. Pollutant that participates in reactions forming ground-level ozone.
7. A pollutant emitted directly from a source

ACROSS (continued)

8. Secondary pollutant formed when nitrogen oxides and volatile organic compounds react in sunlight.
9. Suspended solid particles and liquid droplets
10. Atmospheric condition in which warmer air lies above cooler air near the surface

DOWN

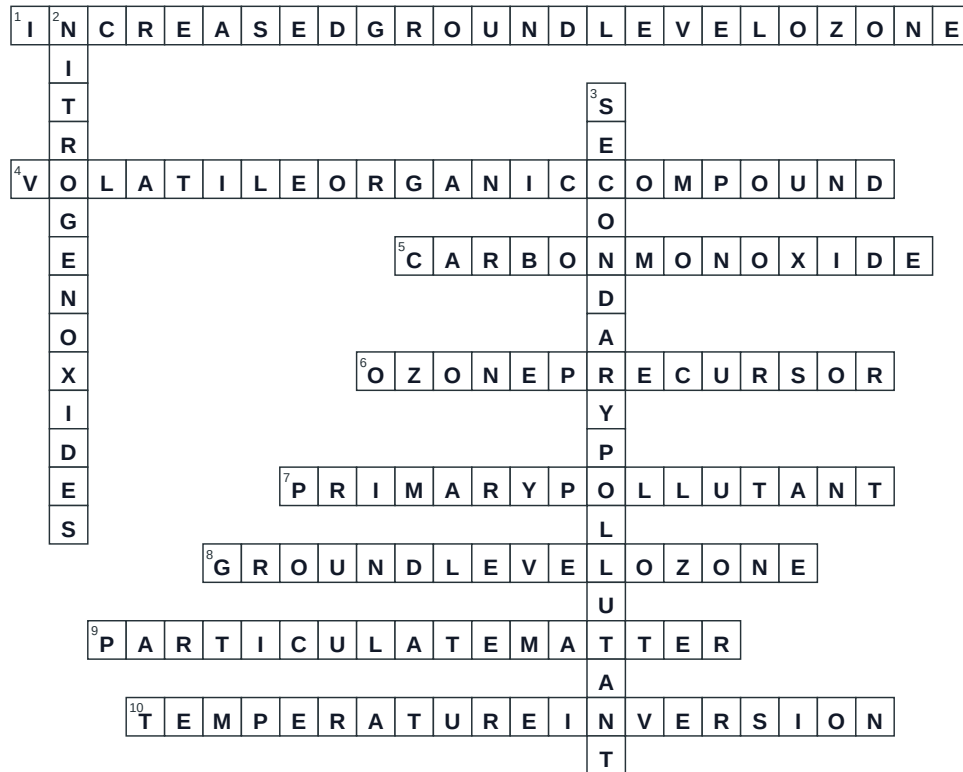
2. Group of gases that can contribute to smog and ozone formation.
3. A pollutant formed through reactions in the atmosphere

Air Quality Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

- Increased Ground-level Ozone
- Volatile organic compound
- Carbon Monoxide
- Ozone precursor
- Primary Pollutant
- Ground-level ozone

ACROSS (continued)

- Particulate Matter
- Temperature Inversion

DOWN

- Nitrogen oxides
- Secondary Pollutant

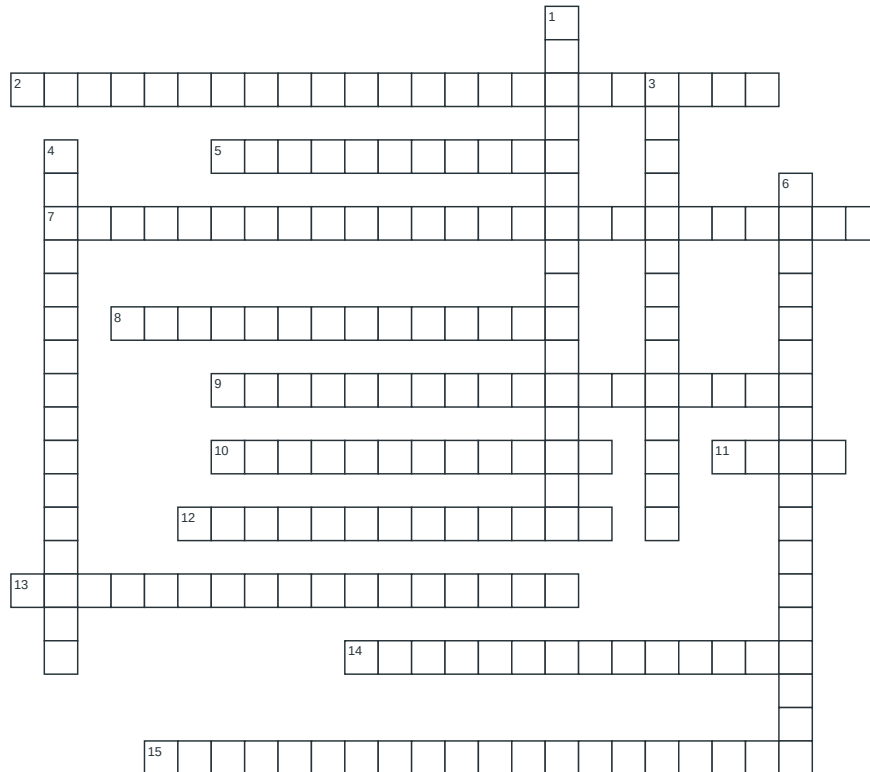
Air Quality Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.

**ACROSS**

2. Carbon-containing compound that readily enters the air as a gas.
5. Exchange of indoor air with outdoor air.
7. A sunny afternoon follows a morning with substantial ozone-precursor emissions. What pollutant formation is plausible
8. Colorless gas produced by incomplete combustion that interferes with oxygen transport
9. A pollutant formed through reactions in the atmosphere
10. Atmospheric condition in which warmer air overlies cooler surface air.
11. Air pollution mixture that can include ozone and fine particles.

ACROSS (continued)

12. Small airborne particles that can be inhaled deeply into the lungs.
13. Suspended solid particles and liquid droplets
14. Group of gases that can contribute to smog and ozone formation.
15. Atmospheric condition in which warmer air lies above cooler air near the surface

DOWN

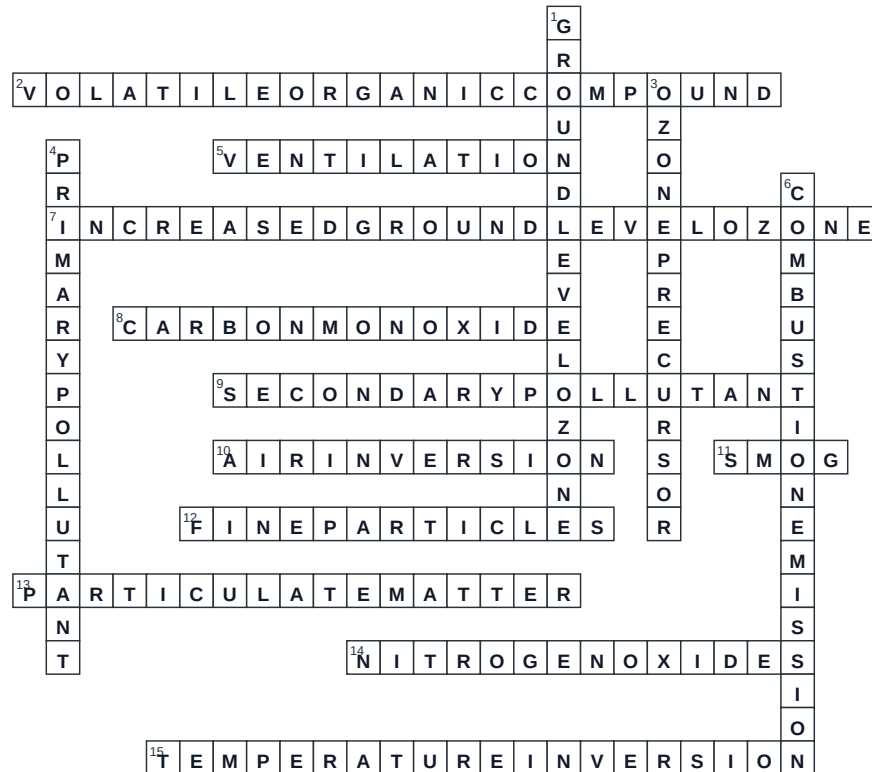
1. Secondary pollutant formed when nitrogen oxides and volatile organic compounds react in sunlight.
3. Pollutant that participates in reactions forming ground-level ozone.
4. A pollutant emitted directly from a source
6. Pollutant released when a fuel burns.

Air Quality Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

2. Volatile organic compound
5. Ventilation
7. Increased Ground-level Ozone
8. Carbon Monoxide
9. Secondary Pollutant
10. Air inversion
11. Smog
12. Fine particles

ACROSS (continued)

13. Particulate Matter
14. Nitrogen oxides
15. Temperature Inversion

DOWN

1. Ground-level ozone
3. Ozone precursor
4. Primary Pollutant
6. Combustion emission

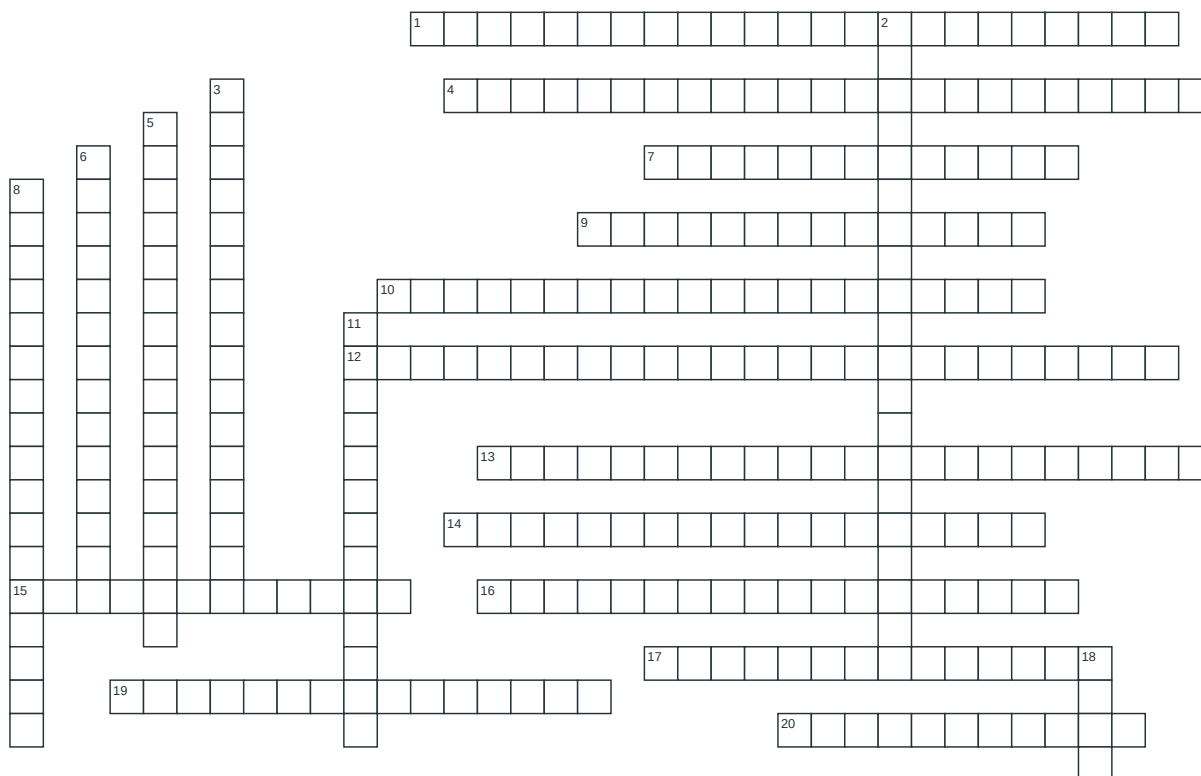
Air Quality Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

1. Pollution entering from diffuse sources across an area.
4. Carbon-containing compound that readily enters the air as a gas.
7. Small airborne particles that can be inhaled deeply into the lungs.
9. Colorless gas produced by incomplete combustion that interferes with oxygen transport
10. Atmospheric condition in which warmer air lies above cooler air near the surface
12. A sunny afternoon follows a morning with substantial ozone-precursor emissions. What pollutant formation is plausible
13. A substance or energy input capable of environmental harm
14. A pollutant formed through reactions in the atmosphere
15. Atmospheric condition in which warmer air overlies cooler surface air.

ACROSS (continued)

16. Pollutant released when a fuel burns.
17. Group of gases that can contribute to smog and ozone formation.
19. Method for reducing pollutant release from a source.
20. Exchange of indoor air with outdoor air.

DOWN

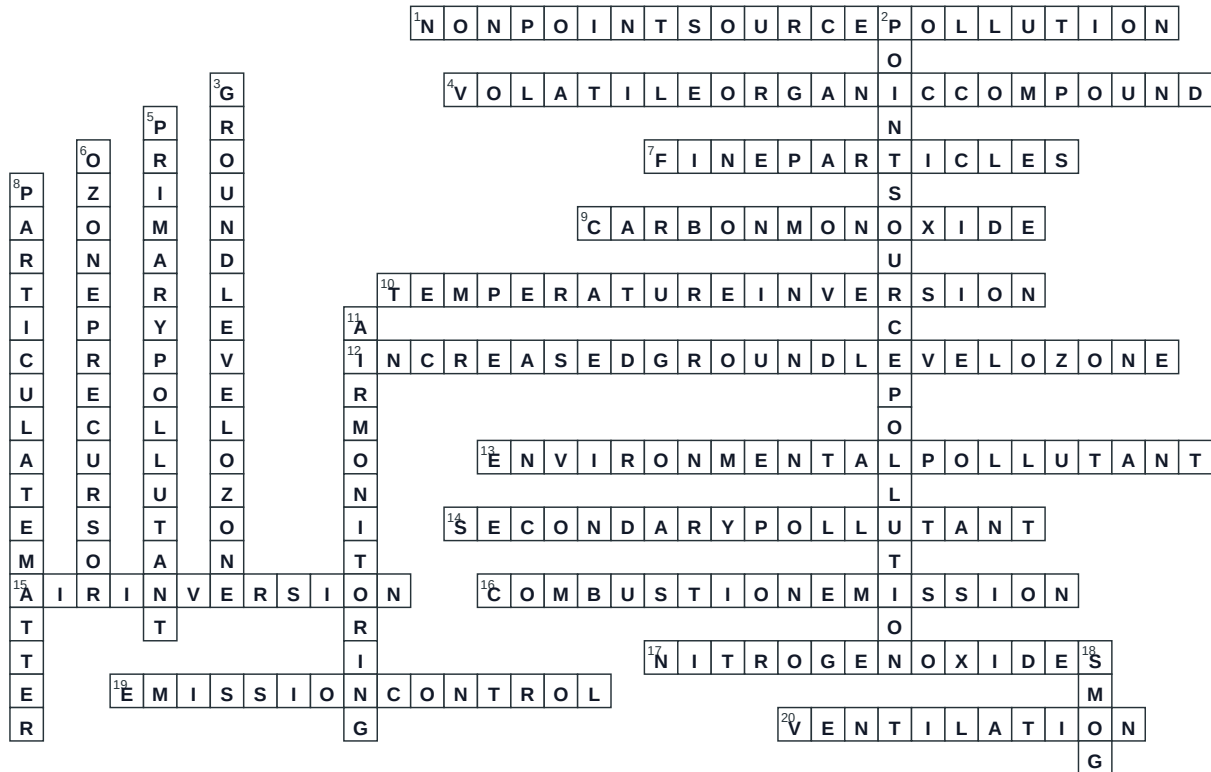
2. Pollution discharged from a single identifiable location.
3. Secondary pollutant formed when nitrogen oxides and volatile organic compounds react in sunlight.
5. A pollutant emitted directly from a source
6. Pollutant that participates in reactions forming ground-level ozone.
8. Suspended solid particles and liquid droplets
11. Measurement of pollutant concentrations at a location over time.
18. Air pollution mixture that can include ozone and fine particles.

Air Quality Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Nonpoint-source pollution
4. Volatile organic compound
7. Fine particles
9. Carbon Monoxide
10. Temperature Inversion
12. Increased Ground-level Ozone
13. Environmental Pollutant
14. Secondary Pollutant
15. Air inversion
16. Combustion emission
17. Nitrogen oxides

ACROSS (continued)

19. Emission control
20. Ventilation

DOWN

2. Point-source pollution
3. Ground-level ozone
5. Primary Pollutant
6. Ozone precursor
8. Particulate Matter
11. Air monitoring
18. Smog