

Air Pollution Word Search Activity



Target Grade Levels

Second - Sixth, Seventh - Twelfth

Time

20 minutes - 45 minutes

Materials

- word search puzzles

Knowledge and Skills (TEKS)

- Science:
 - Develop scientific inquiry and critical thinking.
- Language Arts:
 - Use a thesaurus, synonym finder, dictionary, and software to clarify meanings and usage.

Overview

To improve students' vocabulary and overall knowledge of air pollution.

Background Information

Air pollution is a problem in many areas of the United States. It can make people sick and damage trees, lakes, and animals. It can also damage buildings and other structures. Air pollution also can cause haze, reducing visibility in national parks and sometimes interfering with aviation. The federal government regulates air pollution in order to protect human health and the environment. There are several words that are used when discussing the subject of air pollution.

Procedure

1) Vocabulary

- | | |
|----------------------------------|---------------------------------------|
| a) air pollution | q) meteorology |
| b) ambient air | r) nitrogen oxides |
| c) outdoor air | s) ozone |
| d) atmosphere | t) particulate matter |
| e) benzene | u) photochemical process |
| f) carbon dioxide | v) plume |
| g) carbon monoxide | w) pollution |
| h) chlorofluorocarbons (CFCs) | x) respiratory |
| i) combustion | y) catalytic converter |
| j) contaminant | z) smog |
| k) dispersion | aa) smoke |
| l) emission | bb) stomata |
| m) environment | cc) stratosphere |
| n) fossil fuels | dd) toxic |
| o) hydrocarbons | ee) volatile organic compounds (VOCs) |
| p) hazardous air pollutant (HAP) | |

2) Activities

Print out the word search for the appropriate grade level and let the students use it to increase their vocabulary of air pollution and air quality terms.

Adapted from: "Air Pollution Word Search Activity" *Texas Commission on Environmental Quality*. www.tnrcc.state.tx.us/air/monops/lessons/lesson_plans.html.

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Word Search Puzzle for Second – Sixth Graders

Air Pollution Word Search

There are 15 words that are often used in connection with air pollution listed in the word search below. Can you find them?

I X I H A V L C F H N F X B O J D D V L
K U S Y T U A F B O G P L G K U A Q K C
Q C O P K K H A I M I P R S B P H F W Y
T F G O P C I T C E L Z F S I C K Q D I
H T Q X W Y Y N G Q K X M L T R P I U N
J X V H V Q R N M V W L U A Q K O H S T
U I S O N Q P Q R Y X S H S M O G S T O
Z M F R E S H M C O P O L L U T I O N X
M X B W R V G D O Y P R G S J Z N J I Y
Q X Z J I E B U S H M P L L V F J T W G
E J Q U S T N E O A E B C U W X P R B E
Z F Y T V W E U S C M I V N K G D U H N
H F G Q M B I A T L S M J G L T T C X Y
T F R T W O C I G O I A B S U Q I K C P
L V S N B C L Y U U E R V T B S I R A X
W O X Y C K E R C D E Z E N J S E K R X
H S O X Z I E Y E S P M Z F D Z Q R Z I
P N C L G W D N T X N S N D L E Z D X J
B O L R B I Z A F L A F U M F N O S E Q
M W M A B R E A T H E J S W M C A I R F

Here are the words to look for:

Air	Breathe	Bus
Car	Clouds	Dust
Eyes	Fresh	Lungs
Nose	Oxygen	Pollution
Sick	Smog	Truck

Word Search Puzzle for Seventh – Twelfth Graders

Air Pollution Word Search

There are 25 words that are often used in connection with air pollution listed in the word search below. Can you find them?

W O D Q F B I O O V N I Q B R O J O C P X J I V K
P P Y M O Z Y N R N B O G P S E N J O N F A X K D
Q E Q W O O P Y D X R L I I T O D P X C K A S R U
U H K G C O R I T U V T R S R J U H S W F O G X J
D X A O N R S C E X S N W K R L O R A D U S W B T
Y I Q G M J F M B D F T N A A E E K N H N A C J S
L J F W V S K Y Q Y I I R T W T V Y I O C V B X U
Z X P Z M E T H J Z G X I Y L I R N B S C F U V A
X F O W K P Z B X Y Q O O I E I L R I D R O J T H
M D L E R Q M J L K N S F I O W A N E G Y X O T X
B X L C D S E P H L X A Y U D C R M U U Q N N S E
A X U A R V A S F B O O E Z O N Z H R X Z E N K J
H A T R G W A J D U J L D R H G O E Z B M H F J L
K L I P X T C N D Y D B D T O B P B I N U E Q Z W
S D O O X O M I M J T Y J M S H B U R I A A I S V
U W N O F Z H J O I H N S N P B S E B A U C L D Q
C X Q L L C Q Q W E C F H Q W C V U R T C C G P A
U E D O X O N O M N O B R A C O Y L O J X C R E E
M W F Y T B E K E R V S S L G D I M C F L C H S H
E R E H P S O M T A G E N V I R O N M E N T A O R
N T I A Y C U U S N Q L M R S B T Y A Z A E K L M
S V S J I U A D U H Q H B K I Q K N Z E S N M T X
R I H A T K P L I S V D J L G D A B R I P V E M V
A Z L V W I J I H Y D D E S W I P B D I X E M Q L
N Z P W Y C U F C L A W P Q R K I Z P Y J N T G H

Here are the words to look for:

Ash	Atmosphere	Automobile	Breathe
Carbon Dioxide	Carbon Monoxide	Carpool	Clean Air
Disease	Dust	Environment	Exhaust
Filters	Government	Hydrocarbons	Industry
Inversion	Lungs	Mucus	Oxygen
Pollution	Population	Smog	Smoke
Waste			