

Criteria Air Pollutant BINGO

Name: _____

NAME	SYMBOL(s)	CAUSES	CONCERNS	POSSIBLE SOLUTIONS
chlorofluorocarbons				
Carbon dioxide				
GHGs	CO ₂ , CH ₄ , H ₂ O, O ₃ , CFC, N ₂ O			
Coal				
Sulfuric Acid				
Mercury				
	HgNO _x			
	N ₂ O			
Nitrogen dioxide				
Nitrogen oxides				
Ozone (tropospheric)				
Photochemical SMOG	O ₃ , PAN, NO ₂			
Lead				
Radon				
Sulfur dioxide				
Methane				
Uranium				

NAME	SYMBOL(s)	CAUSES	CONCERNS	POSSIBLE SOLUTIONS
	SO ₂ , CO, Pb, CFC			
Sulfur trioxide				
addressed by the Clean Air Act	SO ₂ , NO _x , CO, O ₃ , Pb, PM			
Required for photochemical SMOG formation	UV, VOC, NO ₂			

What is the significance to air quality of each of the following?

Catalytic converter -

Decreased plankton -

Depletes Soil -

Electrostatic precipitators -

Industry -

Wet Scrubber -

Smoke -

Pipes -

List EACH item you matched for BINGO

BINGO: Round 1

BINGO: Round 2

Conclusion Questions:

1. Which THREE of the above criteria pollutants do you consider to be the greatest threats to our air quality? Provide at least one reason for each.

2. Which TWO of the above criteria pollutants do you feel that we could do the best job mitigating? Provide at least one reason why you chose each.