

### AIR – The Search for One Clean Breath

<http://www.vcaped.org/AirTheFilm/ViewFilm.htm>

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While watching the video, please answer the following questions. At the end of the video, write 1 interesting thing you learned from the video and write 1 thing you didn't know that you learned from the video

5:26 1) What two words is smog a combination of? Smoke and fog

8:58 2) What happened in Donora, PA in 1948 and in London, England in the 1950's?  
Donora: smoke + toxic fumes trapped (yellow fog) → Killed 20 ppl  
London: fog/smoke shut down trains → 4000 deaths

9:17 3) Which city is the most polluted on Earth right now? Shanghai, China

10:04 4) What happens to pollution from this city?  
Smog travels around the earth in air currents

13:00 5) Why is ice at the South Pole studied by atmospheric scientists?  
air pollution gets trapped in air bubbles in the ice

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14:40 6) What do the gasses trapped in the ice tell us about how air pollution is changing the Earth?  
rise in global pollution  
huge rise in CO<sub>2</sub> levels

20:03 7) Why does it matter where you live, in terms of the amount of air pollution?  
not all places have healthy air

23:41 8) What fuel does Iceland want to use instead of fossil fuels? What is the benefit of using it?  
hydrogen → no harmful emissions

27:37 9) Why does a growing population contribute to the problems of air pollution?  
we use more resources than earth has

32:20 10) Why is it important for people to be involved in knowing about the quality of their air?  
major health impacts for all and changes need to be made for conditions to improve

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Interesting thing you learned from the video:

> on your own

1 thing you didn't know [before] that you learned: