

AIR – The Search for One Clean Breath

<http://www.vcapcd.org/AirTheFilm/teacher.htm>

While watching the video, please answer the following questions in complete sentences. At the end of the video, on the back of this paper, write 1 interesting things you learned from the video and write 1 thing you didn't know that you learned from the video

1) What two words is smog a combination of?

smoke, fog

2) What happened in Donora, PA in 1948 and in London, England in the 1950's?

smoke + toxic fumes trapped (yellow fog) → Killed 20 ppl
mortality rate remained high

→ fog/smog shut down trains, 4,000 deaths

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

4) What happens to pollution from this city?

smog travels around the earth in air currents

5) Why is ice at the South Pole studied by atmospheric scientists?

air pollution trapped in ice

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 CO₂

7) Why does it matter where you live, in terms of the amount of air pollution?

not all places have healthy air

8) What fuel does Iceland want to use instead of fossil fuels? What is the benefit of using it?

hydrogen, no harmful emissions

9) Why does a growing population contribute to the problems of air pollution?

we use more resources than earth has

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