Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Video: Air Pollution ~ Bozeman Science**

**https://www.youtube.com/watch?v=\_dTtvtlct9k**

**Directions: Answer the following questions while viewing the video. IF this is done to the very best of your ability (another words….do an *astounding* job) you will get 8 points extra credit on your Air Pollution Unit grade!**

1. What event happened in 1953 that led to air legislation? Where did this event occur?

2. What is air pollution according to the video?

3. List 3 adverse health effects humans can get from air pollution.

4. Give 2 examples of each source

 1. Natural Source: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2. Stationary Source: ­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 3. Mobile Source: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. What does VOCs stand for and give one example?

6. How is SO2 formed?

7. List the six PRIMARY pollutants.

8. What is a primary pollutant?

9. NOx & SO2 forms \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_which turns into \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

10. What primary pollutants combine to make smog?

11. Where do you see an increase in adverse health effects most?

12. How did lead become an air pollutant?

13. How does acid deposition change the food web?

14. Draw the 2 graphs that describe what a temperature inversion is. Remember, TALKS.

15. What 3 things cause photochemical smog?

16. Write the equations that lead to photochemical smog.

17. How do we prevent photochemical smog?

18. What did the Clean Air of 1970 do?

19. List 3 types of technology that helps to “clean” air.

20. Draw the graphic organizer on the back of this paper.