Skin Cancer Ozone and Statistics Worksheet

Part 1: Ozone Layer

1. How does the ozone layer affect the amount of UV radiation that can come to earth?

2. What is the connection between ozone layer thickness and rate of cancer?

3. What is correlation? What is causality?

4. Is there correlation or causality between the ozone layers thickness and the amount of UV radiation?


5. Research the rate of skin cancer for the three states in the US and find the following statistics:
   a. Rate for the entire population
   b. Rate between the sexes
   c. Survival rate
   d. Rate of detection

6. How do the statistics compare between the different states?
7. What are three possible reasons for the difference in rates?

**Part 3: World Skin Cancer Statistics**

8. Research the rate of skin cancer for the three countries and find the following statistics:
   
   e. Rate for the entire population

   f. Rate between the sexes

   g. Survival rate

   h. Rate of detection

9. How do the statistics compare between the different countries?

10. What are three possible reasons for the difference in rates?

11. How does the rate of skin cancer compare to the rate of other cancers worldwide?

12. How do the rates of skin cancer in these other countries compare with the US?

13. Why do the rates of skin cancer in these other countries compare with the US?