

ACT Preparation- Wet Deposition

1. How do Cu^{2+} and Zn^{2+} get into the atmosphere?
2. What is the meaning of the meaning of the word *respectively* at the end of the first paragraph?
3. What does table 1 show?
4. How was the data in table 1 collected?
5. According to Figure 2, how many micrograms of Cu^{2+} were collected July?
6. According to Figure 2, which month had the most Zn^{2+} collected?
7. Compare and contrast Figure 2 and Figure 3.
8. In Study 3, how many different collection sites were used to collect data?
9. The vertical axis on Figure 4 has a break in the vertical line at the 1000 mark. What does that break mean? (Hint: look at the numbers on the axis.)
10. Question #8 asks for an average. Normally an average is found by adding up several numbers and dividing by the total. But that is not necessary in this case. How else can you find the average?
11. According to Study 3, what happens to the amount of wet deposition as you move closer to the city?
12. Compare the amount of precipitation (Figure 1) and the amount of ions collected (Figures 2 & 3). Do the data show that an increase in precipitation also means an increase in wet deposition? Explain why or why not.

Mark each as a variable or a control in Study 1. Use V for variable and C for control.

13. _____ location
14. _____ amount of precipitation
15. _____ amount of deposition