

Year 12 Chemistry
Quick Quiz: Environmental Chemistry

1. State the product of aerobic decomposition of organic matter:
 - (a) Containing nitrogen

 - (b) Containing carbon
2. Write the equation for respiration
3. Write equations showing formation of ozone in the troposphere from nitrogen oxides
4. Write an equation showing how oxides of sulfur can form acid rain
5. Calculate the pH of a solution with a $6 \times 10^{-6} \text{ mol L}^{-1}$ NaOH
6. State the action by which bacteria are killed in water treatment
7. Describe and explain flocculation
8. Which is a better choice for decreasing pH in water treatment: Cl_2 or HCl? Explain.
9. State the difference between primary and secondary pollutants. Give an example of each.
10. Describe how catalytic converters reduce the quantities of nitrogen oxides generated by cars