

Name _____

Bases at Work: The Role of Bases in Various Industries

Open-Ended Response Questions

1. Research and discuss the environmental benefits of using bases in wastewater treatment. Explain how adjusting the pH of water helps in effective pollutant removal and environmental protection.
2. Imagine you are a chemist working in a pharmaceutical company. Describe a specific drug manufacturing process that involves the use of bases and explain why bases are essential in that process.
3. Investigate and explain how bases are used in the production of plastics and how this impacts various industries and our daily lives.
4. Explore the role of bases in regulating the pH of bodily fluids and tissues. Discuss the consequences of imbalanced pH levels on human health and why maintaining pH balance is crucial.

