

Name _____

Bases at Work: The Role of Bases in Various Industries

Short Answer Key

1. Bases in cleaning agents cut through grease and grime by chemically reacting with them, making it easier to remove dirt and stains.
2. Bases help maintain the pH balance of bodily fluids and tissues by neutralizing excess acids or bases, ensuring that the body's pH remains within a healthy range.
3. Bases in wastewater treatment plants are used to adjust the pH of water, making it suitable for effective pollutant removal. This helps protect the environment by preventing the release of harmful substances.
4. An example of a household product containing bases is an oven cleaner. Bases help dissolve tough, baked-on grease and food residue, making cleaning ovens more effective.
5. Bases are used in metal processing to remove rust and impurities from metal surfaces, ensuring that metals are clean and ready for further manufacturing processes.

