

A logarithm can compress a range without ending the reasoning

Curiosity Reading | CheAI Research Inc.

pH and pKa make powers of ten readable, but a convenient scale can invite overclaiming. A pH value describes a modeled hydronium concentration under stated conditions; it does not identify a substance or establish a safety, environmental, or medical outcome. In this packet, every numerical card is original fictional data, so the focus is the reasoning relationship between equilibrium, ratios, and assumptions.