

Curiosity: A Scale That Compresses Big Differences

Curiosity Reading | CheAI Research Inc.

The pH scale is logarithmic, so a one-unit change represents a factor-of-ten change in the concentration used by this classroom model. That makes pH a compact way to compare aqueous samples—but it does not turn one number into a complete story about safety, strength, or chemistry outside its stated conditions.

At 25 °C, pH and pOH form a useful pair. At another temperature, that convenient 14.00 relationship must be checked rather than assumed.