

2002 Edition • Reference Tables for Physical Setting/Chemistry

Table A
Standard Temperature and Pressure

Name	Value	Unit
Standard Pressure	101.3 kPa 1 atm	kilopascal atmosphere
Standard Temperature	273 K 0°C	kelvin degree Celsius

Table B
Physical Constants for Water

Heat of Fusion	333.6 J/g
Heat of Vaporization	2259 J/g
Specific Heat Capacity of H ₂ O (ℓ)	4.2 J/g•K

Table C
Selected Prefixes

Factor	Prefix	Symbol
10 ³	kilo-	k
10 ⁻¹	deci-	d
10 ⁻²	centi-	c
10 ⁻³	milli-	m
10 ⁻⁶	micro-	μ
10 ⁻⁹	nano-	n
10 ⁻¹²	pico-	p

Table D
Selected Units

Symbol	Name	Quantity
m	meter	length
kg	kilogram	mass
Pa	pascal	pressure
K	kelvin	temperature
mol	mole	amount of substance
J	joule	energy; work; quantity of heat
s	second	time
L	liter	volume
ppm	part per million	concentration
M	molarity	solution concentration

Table E
Selected Polyatomic Ions

H ₃ O ⁺	hydronium	CrO ₄ ²⁻	chromate
Hg ₂ ²⁺	dimercury (I)	Cr ₂ O ₇ ²⁻	dichromate
NH ₄ ⁺	ammonium	MnO ₄ ⁻	permanganate
C ₂ H ₃ O ₂ ⁻ CH ₃ COO ⁻	acetate	NO ₂ ⁻	nitrite
CN ⁻	cyanide	NO ₃ ⁻	nitrate
CO ₃ ²⁻	carbonate	O ₂ ²⁻	peroxide
HCO ₃ ⁻	hydrogen carbonate	OH ⁻	hydroxide
C ₂ O ₄ ²⁻	oxalate	PO ₄ ³⁻	phosphate
ClO ⁻	hypochlorite	SCN ⁻	thiocyanate
ClO ₂ ⁻	chlorite	SO ₃ ²⁻	sulfite
ClO ₃ ⁻	chlorate	SO ₄ ²⁻	sulfate
ClO ₄ ⁻	perchlorate	HSO ₄ ⁻	hydrogen sulfate
		S ₂ O ₃ ²⁻	thiosulfate

Regents Chemistry Reference Table Lab

M Lipman

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Regents Chemistry Reference Table Lab:

The book delves into Regents Chemistry Reference Table Lab. Regents Chemistry Reference Table Lab is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Regents Chemistry Reference Table Lab, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Regents Chemistry Reference Table Lab
- Chapter 2: Essential Elements of Regents Chemistry Reference Table Lab
- Chapter 3: Regents Chemistry Reference Table Lab in Everyday Life
- Chapter 4: Regents Chemistry Reference Table Lab in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Regents Chemistry Reference Table Lab. This chapter will explore what Regents Chemistry Reference Table Lab is, why Regents Chemistry Reference Table Lab is vital, and how to effectively learn about Regents Chemistry Reference Table Lab.

3. In chapter 2, the author will delve into the foundational concepts of Regents Chemistry Reference Table Lab. This chapter will elucidate the essential principles that need to be understood to grasp Regents Chemistry Reference Table Lab in its entirety.

4. In chapter 3, this book will examine the practical applications of Regents Chemistry Reference Table Lab in daily life. This chapter will showcase real-world examples of how Regents Chemistry Reference Table Lab can be effectively utilized in everyday scenarios.

5. In chapter 4, the author will scrutinize the relevance of Regents Chemistry Reference Table Lab in specific contexts. The fourth chapter will explore how Regents Chemistry Reference Table Lab is applied in specialized fields, such as education, business, and technology.

6. In chapter 5, the author will draw a conclusion about Regents Chemistry Reference Table Lab. The final chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Regents Chemistry Reference Table Lab.

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