

International System of Units (SI)

SI Base Units

Base Quantity	Name	Symbol
Length	meter	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Thermodynamic temperature	kelvin	K
Amount of substance	mole	mol
Luminous intensity	candela	cd

SI Derived Units

Derived Quantity	Name	Symbol	Equivalent SI units
Frequency	hertz	Hz	s^{-1}
Force	newton	N	$m \cdot kg \cdot s^{-2}$
Pressure	pascal	Pa	N/m^2
Energy	joule	J	$N \cdot m$
Power	watt	W	J/s
Electric charge	coulomb	C	$s \cdot A$
Electric potential	volt	V	W/A
Electric resistance	ohm	Ω	V/A
Celsius temperature	degree Celsius	$^{\circ}C$	K°

*Unit degree Celsius is equal in magnitude to unit kelvin.

SI Prefixes

Factor	Name	Symbol	Numerical Value
10^{12}	tera	T	1 000 000 000 000
10^9	giga	G	1 000 000 000
10^6	mega	M	1 000 000
10^3	kilo	k	1 000
10^2	hecto	h	100
10^1	deka	da	10
10^{-1}	deci	d	0.1
10^{-2}	centi	c	0.01
10^{-3}	milli	m	0.001
10^{-6}	micro	μ	0.000 001
10^{-9}	nano	n	0.000 000 001
10^{-12}	pico	p	0.000 000 000 001

Adapted from NIST Special Publication 811.

SI rules and style conventions recommend using spaces rather than commas to separate groups of three digits.

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Unit Conversion Study Guide 2 Physics

Peipei Pang



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Mosby's Radiation Therapy Study Guide and Exam Review Leia Levy, 2025-08-21 Reinforce your understanding of radiation therapy and prepare for the Registry exam Mosby's Radiation Therapy Study Guide and Exam Review Second Edition is both a study companion for Washington and Leaver's Principles and Practice of Radiation Therapy and a superior review for the ARRT Radiation Therapy Certification Exam This completely updated edition reflects the latest exam specifications and features an easy to read format that presents information in concise bullets and tables More than 2 000 total multiple choice questions in Registry format provide a realistic testing experience to prepare you for the real exam NEW Quality control procedures and guidelines for linear accelerators NEW Fractionation and protraction considerations UPDATED Content reflects the latest ARRT Radiation Therapy Certification Exam Specifications UPDATED Radiation Protection and Safety and Overview of Cancer Imaging and Management Modalities chapters offer the most current information in these key areas EXPANDED Charge capture and record keeping content enhances the Oncology Patient Care chapter EXPANDED Additional cross sectional images provide anatomy review and reinforce treatment planning concepts More than 2 000 multiple choice questions in Registry format in the text and on the companion Evolve website provide a realistic exam experience Complete coverage helps you prepare for the ARRT Radiation Therapy Certification Exam Content review in outline and tabular format provides a concise recap of the material you need to know to succeed on the exam Exercises at the end of each section offer engaging active review opportunities **Complete Study Guide For Ntse**

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It provides guidance on time management problem solving approaches and exam taking strategies enabling students to optimize their performance in the NTSE Dr Rajesh Thakur Dr S R Singh Subhash Jain and Mamta Mehrotra are esteemed authors and educators who have collectively contributed their expertise to create a valuable study guide for the NTSE With their extensive knowledge and experience in mentoring students for competitive exams they have developed a comprehensive resource that equips students with the necessary tools and knowledge to excel in the NTSE Their combined efforts and insights have made this study guide an indispensable companion for aspiring students preparing for the prestigious examination

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