

W2026 – SN1 – Academic Calendar

	week	Laboratory	Monday	Tuesday	Wednesday	Thursday	Friday	Sat.	Sun.
January	1	Check-in / Safety / Green chem.	19	20 Classes begin	21	22	23	24	25
	2	Significant figures	26	27	28	29	30	31	Feb. 1
February	3	Excel workshop	2	3	4	5	6	7	8
	4	Stoichiometry	9	10	11	12	13 withdraw deadline	14	15
	5	Solution Stoichiometry	16	17	18	19	20	21	22
	6	Molar volume of a gas	23	24	25	26 TEST 1 (15%)	27	28	March 1
March	7	Chemical Reactions	2	3	4	5	6	7	8
	8	Problem solving	9	10	11	12	13	14	15
		No lab	16 study break	17 study break	18 study break	19 study break	20 study break	21	22
	9	Identification of Anions and Cations	23	24	25	26 TEST 2 (15%)	27	28	29
	10	Atomic spectra	30	31	April 1	2 Friday schedule	3 No classes	4	5
April	11	Problem solving	6 No classes	7 Monday schedule Course drop deadline	8	9	10	11	12
	12	Volumetric analysis of ascorbic acid	13	14	15	16	17	18	19
	13	Chemical Bonding: VSEPR	20	21	22	23	24 No classes	25	26
	14	Melting points	27	28	29	30	May 1	2	3
May	15	Calorimetry / check out	4	5	6	7 TEST 3 (15%)	8	9	10
	16	No Lab	11	12	13 No classes	14	15 Classes end	16	17



Chemistry / Physic / Comp. Sci. exam week



Math / Biology / Geology exam week

1		Periodic Table of the Elements																18	
1	1 H 1.008																	2 He 4.003	
2	3 Li 6.94	4 Be 9.012											5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00	10 Ne 20.18	
3	11 Na 22.99	12 Mg 24.31											13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45	18 Ar 39.95	
4	19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.87	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.38	31 Ga 69.72	32 Ge 72.63	33 As 74.92	34 Se 78.97	35 Br 79.90	36 Kr 83.80	
5	37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.95	43 Tc (97)	44 Ru 101.1	45 Rh 102.9	46 Pd 106.4	47 Ag 107.9	48 Cd 112.4	49 In 114.8	50 Sn 118.7	51 Sb 121.8	52 Te 127.6	53 I 126.9	54 Xe 131.3	
6	55 Cs 132.9	56 Ba 137.3	57 La* 138.9	72 Hf 178.5	73 Ta 181.0	74 W 183.8	75 Re 186.2	76 Os 190.2	77 Ir 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.6	81 Tl 204.4	82 Pb 207.2	83 Bi 209.0	84 Po (209)	85 At (210)	86 Rn (222)	
7	87 Fr (223)	88 Ra (226)	89 Ac ^a (227)	104 Rf (267)	105 Db (268)	106 Sg (269)	107 Bh (270)	108 Hs (269)	109 Mt (278)	110 Ds (281)	111 Rg (282)	112 Cn (285)	113 Nh (286)	114 Fl (289)	115 Mc (289)	116 Lv (293)	117 Ts (294)	118 Og (294)	

*Lanthanides

58	59	60	61	62	63	64	65	66	67	68	69	70	71
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
140.1	140.9	144.2	(145)	150.4	152.0	157.3	158.9	162.5	164.9	167.3	168.9	173.0	175.0
90	91	92	93	94	95	96	97	98	99	100	101	102	103
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
232.0	231.0	238.0	(237)	(244)	(243)	(247)	(247)	(251)	(252)	(257)	(258)	(259)	(266)

Constants (* exact value since 2019)

Bohr's Energy	$B = 2.178 \times 10^{-18} \text{ J}$
Speed of light in vacuum	$c^* = 2.99792458 \times 10^8 \text{ m} \cdot \text{s}^{-1}$
Planck's constant	$h^* = 6.62607015 \times 10^{-34} \text{ J} \cdot \text{s}$
Mass of an electron	$m_e = 9.109 \times 10^{-31} \text{ kg}$
Mass of a neutron	$m_n = 1.675 \times 10^{-27} \text{ kg}$
Mass of a proton	$m_p = 1.673 \times 10^{-27} \text{ kg}$
Avogadro's number	$N_A^* = 6.02214076 \times 10^{23} \text{ mol}^{-1}$
Rydberg's constant	$R_H = 1.0974 \times 10^7 \text{ m}^{-1}$
Gas constant	$R = \begin{cases} 8.314 \text{ J} \cdot \text{K}^{-1} \cdot \text{mol}^{-1} \\ 8.314 \text{ L} \cdot \text{kPa} \cdot \text{K}^{-1} \cdot \text{mol}^{-1} \\ 0.08206 \text{ L} \cdot \text{atm} \cdot \text{K}^{-1} \cdot \text{mol}^{-1} \end{cases}$

Conversions

$0^\circ \text{C} = 273.15 \text{ K}$
$1 \text{ cal} = 4.184 \text{ J}$
$\text{Pa} = \text{N} \cdot \text{m}^{-2}$
$\text{J} = \text{kg} \cdot \text{m}^2 \cdot \text{s}^{-2}$
$101.3 \text{ J} = 1 \text{ L} \cdot \text{atm}$
$\text{gas STP} = 22.414 \text{ L/mol}$
$1 \text{ atm} = \begin{cases} 101.32 \text{ kPa} \\ 1.0132 \text{ bar} \\ 760.0 \text{ mm of Hg or torr} \end{cases}$

The electromagnetic spectrum
numbers = wavelength

