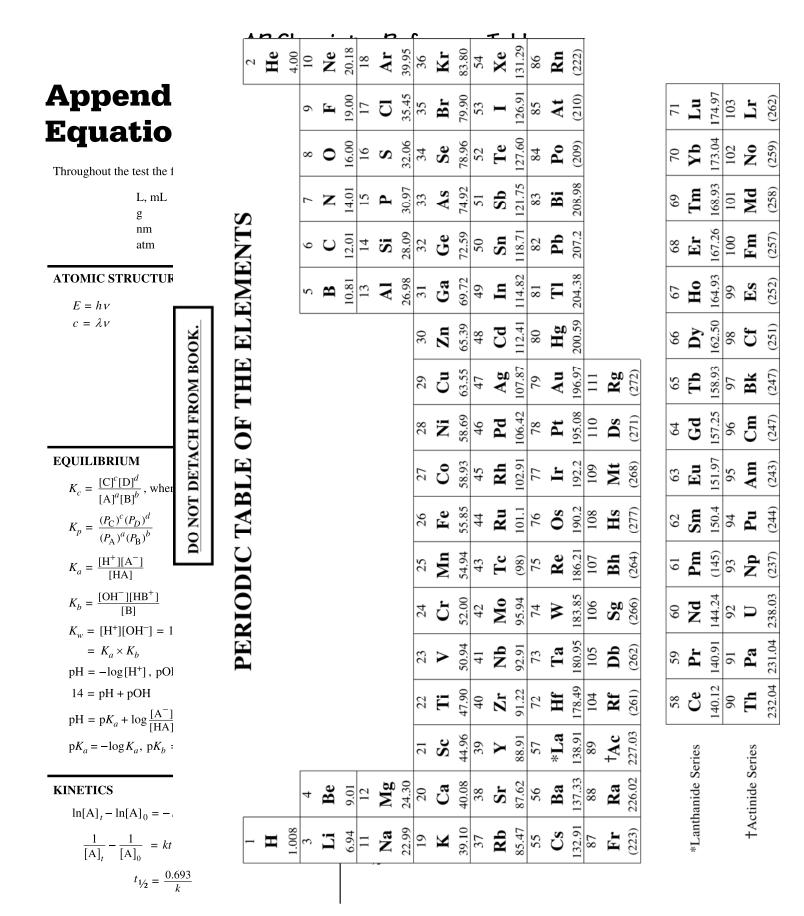
			_	01	ᡨ		~+	- 141	. D		201		69		Т	امل		-											
		_	6	He	4.00	Ne	20.18	18	Ar	39.95	30	Kr	83.80	54	Xe	131.29	86	Rn	(222)										
	2 He				6	H	19.00	17	C	35.45	33	$\mathbf{Br}$	79.90	53	Ι	126.91	85	At	(210)					71	Lu	174.97	103	$\mathbf{Lr}$	(262)
					×	0	16.00	16	$\mathbf{S}$	32.06	34	Se	78.96	52	Te	127.60	84	$\mathbf{P_0}$	(209)					70	Υb	173.04	102	N0	(259)
					2	Ζ	14.01	15	Р	30.97	33	$\mathbf{As}$	74.92	51	Sb	121.75	83	Bi	208.98					69	Tm	168.93	101	Md	(258)
	IS		NT.		9	U U	12.01	14	Si	28.09	32	Ge	72.59	50	Sn	118.71	82	Pb	207.2					68	Εr	167.26	100	Fm	(257)
	IEN	_	EME		Ś	B	10.81	13	Ы	26.98	31	Ga	69.72	49	In	114.82	81	IT	204.38					67	Ho	164.93	66	Es	(252)
	OF THE ELEMENTS	OK.	<b>(ODIC TABLE OF THE ELEMENTS</b>					1		0	30	Zn	65.39	48	Cd	112.41	80	Hg	200.59					99	Dy	162.50	98	Cf	(251)
DO NOT DETACH FROM BOOK.	E E	DO NOT DETACH FROM BOOK.	THE							00	29	Cu	63.55	47	$\mathbf{Ag}$	107.87	62	Au	196.97	111	$\mathbf{R}_{\mathbf{g}}$	(272)		65	Πb	158.93	97	Bk	(247)
FROM	F TH	CH FR	OF 7							00	78	Ż	58.69	46	Pd	106.42	78	Pt	195.08	110	$\mathbf{Ds}$	(271)		64	Gd	157.25	96	Cm	(247)
CTACH		DETA	LE							ľ	27	Co	58.93	45	Rh	102.91	LT	Ir	192.2	109	Mt	(268)		63	Eu	151.97	95	Am	(243)
OT DE	ABL	O NOT	TAB							2	20	Fe	55.85	44	Ru	101.1	76	Os	190.2	108	Hs	(277)		62	Sm	150.4	94	Pu	(244)
DON	[C T]	<u>ă</u>	DIC							10	C2	Mn	54.94	43	$\mathbf{Tc}$	(98)	75	Re	186.21	107	Bh	(264)		61	Pm	(145)	93	Np	(237)
	IOD		SIOI							2	54	Ċ	52.00	42	$M_0$	95.94	74	Μ	183.85	106	$\mathbf{S}_{\mathbf{g}}$	(266)		60	Nd	144.24	92	Ŋ	238.03
	PERIODIC TABLE		PERI							00	23		50.94	41	ŊΝ	92.91	73	Ta	180.95	105	Db	(262)		59	Pr	140.91	91	Pa	231.04
	4									00	77	Ï	47.90	40	$\mathbf{Zr}$	91.22	72	Ηf	178.49	104	Rf	(261)		58	Ce	140.12	06	Th	232.04
										5	21	Sc	44.96	39	Υ	88.91	57	*La	138.91	80	†Ac	227.03	-		eries			eries	
					4	Be	9.01	12	Mg	24.30	20	Ca	40.08	38	Sr	87.62	56	Ba	137.33	88	Ra	226.02			*Lanthanide Series			†Actinide Series	
	– H	_	-	Η	1.008 3	Li	6.94	11	Na	22.99	19	K	39.10	37	Rb	85.47	55	$\mathbf{Cs}$	132.91	87	Fr	(223)			*Lantl			†Ас	
		-		_	7		С	)	_	8		-	1			0			*										



	A	PCh	e	nie	st	rv	R	efe	re	nc	e	Тa	Ы	es		_									
	5	<b>He</b> 4.00	10	Ne	20.18	18	Ar	<u>39.95</u> 36	Kr	83.80	54	Xe	131.29	86	Rn	(222)									
GASES, LIQUIDS, AN			6	H	00.6	1	C	35.45 35	Br	79.90	53	I	26.91	85	At	(210)				71	Lu	74.97	103	Lr	(262)
PV =					-			_		-			_			_						-			
$P_A =$			∞	0	16.00	9] U	S	32.06 34	Se	78.96	52	Te	127.60	84	Po	(209)				70	Yb	173.04	102	°N0	(259)
$P_{total} =$			7	Ζ	14.01	<u></u>	P	30.97 33	$\mathbf{As}$	74.92	51	$\mathbf{Sb}$	121.75	83	Bi	208.98				69	Tm	168.93	101	Md	(258)
<i>n</i> =	STV		9	C	2.01	4 5	S.	28.09 32	Ge	72.59	50	Sn	118.71	82		207.2				68	Er	9		Fm	(257)
K =	E				_					-						_									
D =	EN		5	B	10.81	13	V	26.98 31	Ga	69.72	49	In	114.82	81	I	204.38				67	Ho	164.93	66	Es	(252)
KE per molecule = Molarity, $M$ =	EL							30	Zn	65.39	48	Cd	112.41	80	Hg	200.59				99	Dy	162.50	98	Cf	(251)
$A = \bigcup_{i=1}^{N} \bigcup_{j=1}^{N} \bigcup_{j=1}^{N} \bigcup_{j=1}^{N} \bigcup_{i=1}^{N} \bigcup_{j=1}^{N} \bigcup_{j=1}^{N} \bigcup_{i=1}^{N} \bigcup_{j=1}^{N} \bigcup_{j=1}^{N} \bigcup_{i=1}^{N} \bigcup_{j=1}^{N} $	THE							29	Cu	63.55	47	$\mathbf{Ag}$	107.87	62	Au	1111	Rg	<b>6</b> (272)		65	Τb	158.93	67	Bk	(247)
Molarity, $M =$ A = <b>THERMOCHEMISTR</b> $q = mc\Delta T$ $\Delta S^{\circ} = \Sigma S^{\circ}$ products	OF 7							28	Ż	58.69	46	Pd	106.42	78	Pt	110	Ds	(271)		64	Gd	157.25	96	Cm	(247)
THERMOCHEMISTR	LE							27	Co	58.93	45	Rh	102.91	LL	ľ	100	Mt	(268)		63	Eu	151.97	95	Am	(243)
$q = mc\Delta T$	TAB							26	Fe	55.85	44	Ru	101.1	76	Os	108	Hs	(277)		62	Sm	150.4	94	Pu	(244)
$\Delta S^{\circ} = \sum S^{\circ} \text{ products}$ $\Delta H^{\circ} = \sum \Delta H_{f}^{\circ} \text{ product}$	ODIC TABLE OF THE ELEMENTS							25	Mn	54.94	43	Tc	(98)	75	Re	107	Bh	(264)		61	Pm	(145)	93	Np	(237)
$\Delta G^{\circ} = \sum \Delta G_{f}^{\circ} \text{ product}$	<u> </u>							24	Cr	52.00	42	Mo	95.94	74	8	106	Se	(266)		60	Νd	144.24	92	n	238.03
$\Delta G^{\circ} = \Delta H^{\circ} - T \Delta S^{\circ}$ $= -RT \ln K$	PERI							23	>	50.94	41	qΝ	_	73		105					Pr	91	91	Pa	231.04
$= -n F E^{\circ}$								22	Ti	47.90	40	Zr	2	72		78.49 1	Rf			58	Ce	2	90	Τh	232.04 2
$I = \frac{q}{t}$								21	Sc	44.96	39	Υ	_	57		138.91 1 89	tAc		L			1			(1
			4	Be	9.01	12	Mg	24.30 20	Ca	40.08 4	38	Sr	2			37.33 1 88					nide Ser			†Actinide Series	
	_	<b>H</b> 1.008	3	Li	_			22.99 2 19	K	39.10 4			85.47 8			132.91 13 87					*Lanthanide Series			†Actiı	