Formulas:

energy efficiency =
$$\frac{amount \ of \ useful \ energy}{amt. \ of \ energy \ consumed} \times 100\%$$

C = $\frac{m}{V}$ C: concentration; m = mass; V = volume

(june exam has more but the ones not listed deal with material that's NOT on the January exam because it'll be covered in February!)



		6		<u>ل</u> ري		4		<u>.</u>		2		<u> </u>	
	87 Fr (223)	132.91	Ç 55	Rb 85.47	37	39.10	K 15	1 1 4 22.99	5 =	6.94	Ξ .ω	1.01	- IA
	88 Ra (226)	137.33	56 B a	Sr 87.62	38	40.08	Ca 20	24.31	12	9.01	Be	2 II A	
	89-103 Ac-Lr		57-71 La-Lu	Y 88.91	39	44.96	21 Sc	3	≡ B			_	
	104 Rf (261)	178.49	72 Hf	Zr 91.22	40	47.90	22 Ti	4	N B				
57 La 138.91 89 Ac 227.03 23	105 Ha (262)	180.95	73 T a	Nb 92.91	41	50.94	V 23	ן אין אין	< R			Eleme	
58 Ce 140.12 90 Th 232.04 232.04	L	183.85	V	Мо 95.94	42	52.00	Cr 24	6	≤ R			Element Symbol	
59 Pr 140.91 1 91 Pa 231.04 2:			75 R	Tc 98.91	43	54.94	25 Mn						
60 Nd 144.24 92 U 238.03 2			D ₂	Ru 101.07	44	55.85	26 Fe	∞ -]			1.01 H	Key
61 Pm 145 93 93 Np 237.05		-	77			58.93		6				Atomic Mass	
62 Sm 150.36 94 Pu (244)			78 P †	Pd 1 106.40				10-				Atomic Mass	-
63 Eu 151.96 95 Am (243)		,	79 A 11				C1 29					<u></u>	l
64 Gd 157.25 96 Cm (247)		97 200.59				6		1	= R				
65 Tb 158.93 97 Bk (247)		-			00		-					1	
66 Dy 93 162.50 98 Cf (251)		204.37	1 81	In 114.82	49	69.72	Ga 31	A1 26.98	13	10.81	ਸ ਪ	13 III A	
		207.20	PH 82	Sn 118.71	50	72.59	32 Ge	SI 28.09	214	12.01) 0	IV A 14	
67 Ho 1 164.93 16 99 1 Es 1 (254) (2		208.98	83 R:	Sb 121.75	51	74.92	33 As	F 30.97	J 15	14.01	Z 7	V A 15	
68 Er 167.26 1 100 Fm (257) ((209)	P	Te 127.60	52	78.96	34 Se	32.07	n 16	16.00	⊃ ∞	VI A	
69 Tm 168.93 101 101 Md (258)				-						<u> </u>		17 17	
70 Yb 173.04 102 No (259)				-								-	. <u></u>
71 Lu 174.97 103 Lr (260)		22)	1 6	.30	.4	.80		.95	8	.18		18 2 He 4.00	°

PERIODIC TABLE OF THE ELEMENTS