

## Textbook Converter

<u>Problem Set</u>	<u>Atkins (8<sup>th</sup> Ed.) Text</u>	<u>Castellan (3<sup>rd</sup> Ed.) Text</u>	<u>Bromberg (2<sup>nd</sup> Ed.) Text</u>	<u>Fermi (Dover Ed.) Text</u>
1 (Ideal Gases)	Ch. 1.1, 1.2	Ch. 2.1 – 2.8	Ch. 2.1 – 2.11	Ch. I (plus class handouts)
2 (Real Gases)	Ch. 1.3 – 1.5	Ch. 3	Ch. 2.12 – 2.14	None (plus class handouts)
3 (Liq. & Solids)	None	Ch. 5.1, 5.2	None	None
4 (0 <sup>th</sup> & 1 <sup>st</sup> Laws)	Ch. 2.1 – 2.3	Ch. 6 & Ch. 7.1 – 7.9	Ch. 4	Ch. I & Ch.II (Sec. 3)
5 (1 <sup>st</sup> Law & U, H)	Ch. 2.4 – 2.5, 2.10 – 2.12	Ch. 7.10 – 7.13, 7.15	Ch. 5	Ch. II (Sec. 4 & 5)
6 ( $C_p$ , $C_v$ , Adiab.)	Ch. 2.6	Ch. 7.14, 7.16, 7.17	Ch. 5.3, 5.9 – 5.11	Ch. II (Sec. 4, 5, 6)
7 (Thermochem)	Ch. 2.7 – 2.9	Ch. 7.18 – 7.26	Ch. 6	None
8 (Second Law)	Ch. 3.1 – 3.2	Ch. 8	Ch. 7	Ch. III
9 (Entropy)	Ch. 3.3	Ch. 9	Ch.8	Ch. IV
10 (3 <sup>rd</sup> Law & Leg.)	Ch. 3.4 – 3.8	Ch. 10.1 – 10.7	Ch. 9	Ch. V (Sec. 17, 18), Ch. VIII
11 ( $G$ & $\mu$ )	Ch. 3.9, 5.1 – 5.4	Ch. 10.8 – 1.10, 11.1 – 11.5, 13.1 – 13.4, 14.10 – 14.12	Ch. 12.1-12.9, 10.1-10.3	None
12 ( $\mu$ & Coll. Prop.)	Ch. 5.5 – 5.8	Ch. 13.5-13.9, 16.1-16.4	Ch. 14, 12.10-12.13	Ch. VII (Sec. 25, 26, 29)
13 ( $\pi$ & Chem Eq)	Ch. 5.5, 7.1-7.4	Ch. 11.7-11.16, 14.14, 16.5	10.3-10.5, 10.12, 10.13, 14.4- 14.5	Ch. VI, Ch. VII (Sec. 27, 28)

14 (ElectroChem)	Ch. 5.9, 7.5-7.9	Ch. 16.6-16.8, 17	Ch. 16, 17	Ch. V (Sec. 20)
15 (Phase Equil.)	Ch. 4, Ch. 6	Ch. 12, Ch. 14.1-14.9, Ch. 15	Ch. 11, Ch. 13	Ch. V(Sec. 19)