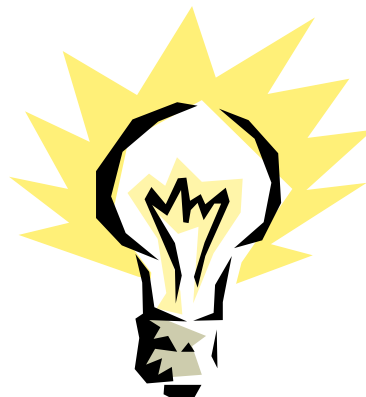


A.P. CHEM (THE PENULTIMATE) ASSIGNMENT SHEET #12

ELECTROCHEM



Read sections 4.4 and 4.8 in Chang.

Note the Chem in Action on page 143

Then skim chapter 19.

Note Figure 19.1, Tables 19.1 and 19.2, and the *Chem in Action* on page 853

In an attempt to balance out those grotesquely long assignment sheets from the past, let's streamline the text questions from Chang. As always, only do some if you think you want or need practice. Good questions (w/ topic covered) to understand include:

from pages 158-159: 44, 46, 50	(oxidation #, half-reactions, redox agents)
from page 159: 54, 56	(redox reactions)
from page 161: 94, 95	(redox titration)
from pages 855-860: 2, 6, 8, 12, 14, 16, 98	(balancing equations, galvanic cells, emf)
from pages 857-858: 22, 24, 26, 30, 32, 34, 67	(E° , ΔG° , and K_{eq} relationships; conc. and emf)
from pages 857-858: 46, 50a, 52, 54, 58, 60	(electrolysis)
from page 859: 78	(redox reaction)
from page 860: 94	(cells)
from page 859 and 861: 85, 109	(huh?)

Answer APQ packet questions 4, 10 d, 12 a, 13, 15, 18, 35, 36, 55, and 67 c.