
ACIDS AND BASES, Part I

Read Chang pp. 64-67 (naming acids and bases)

From page 66, answer the practice exercise.

Read Chang section 4.3

From page 158, answer the following: 29, 30, 32, and 34.

Read Chang pages 345-347 (start with the paragraph: "Most oxides . . .")

From page 347, answer the practice exercise, and from page 350, answer: 72

Skim Chang Chapter 15 (very loooooooooooooooooooooong)

Notable: Table 15.1 (interesting tidbits)
Table 15.2 (relative acid strengths)
Table 15.3 (K_A values + conjugate K_B values)
Table 15.4 (K_B values + conjugate K_A values)
Table 15.5 (K_A values for polyprotic acids)
Table 15.7 (salt properties)
Chem in Action (Antacids) on page 684

From Chang pages 686-693, answer the following questions:

3, 4, 5, 6, 8, 11, 13, 14, 15, 16, 18, 20, 22, 24, 29, 31, 33, 34, 35, 36, 37, 38, 41, 42
43, 44, 45, 46, 48, 49, 53, 54, 55, 57, 58, 60, 61, 62, 63, 64, 65, 68, 71, 74, 75, 76,
78, 79, 80, 83, 89, 92, 94, 98, 100, 101, 104, 106, 107 (toothache), 118, 126, 127,
130 (smells fishy), 138, 141 (bloody)

From your APQ packet, answer questions **10 b**, **25 a-d**, **28 d**, and **65 d**.

THE GAME PLAN

1	The fundamentals/definitions	Chang sections 4.3 and 15.1
2	Naming acids and bases	Chang pages 64-67
3	Water and K_w	Chang section 15.2
4	pH, pOH, pK_w	Chang section 15.3
5	Acid/base strength	Chang sections 15.4 and 15.9
6	Weak acid K_A	Chang section 15.5
7	K_B (and $K_A \times K_B = K_w$)	Chang sections 15.6 and 15.7
8	Polyprotic acids	Chang section 15.8
9	Salts	Chang section 15.10
10	Acidic and basic oxides	Chang sec. 15.11 and pp. 345-347
11	Lewis acids/bases	Chang section 15.12