

Homework 16-11: Chap 16 Review Part 2: pg. 725-727 #102 (NOTE: abbreviate cacodylic acid as CacH), 113, 115, 117, 118, 120

102 (a) $\text{pH} = 3.60$

(b) $\text{pH} = 9.69$

(c) $\text{pH} = 6.07$

113 $\text{Solubility}(\text{CaSO}_4) = 0.67 \text{ g / L}$

$\text{Solubility}(\text{Ag}_2\text{SO}_4) = 4.7 \text{ g / L}$

115 $V_{\text{NaOH}} = 13 \text{ mL}$

117 (c) $\text{pH} = 7.93$

120 (a) $s = 1.7 \times 10^{-7} \text{ M}$

(c) $\text{pH} = 12.40$

(d) $[\text{Mg}^{2+}] = 1.9 \times 10^{-8} \text{ M}$