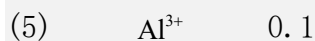
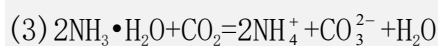
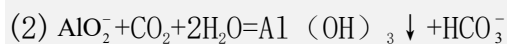


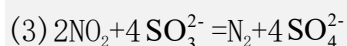
高二化学期末考试答案

1-5 BADCD 6-10 CBADA 11-15 DBCCD

16. (1) $2\text{NO}_3^- + 3\text{SO}_2 + 2\text{H}_2\text{O} = 2\text{NO} \uparrow + 3\text{SO}_4^{2-} + 4\text{H}^+$ 不正确 NO 和空气中氧气反应后还剩余多种气体成分



17. (1) N、O $\text{Ba}(\text{NO}_3)_2$



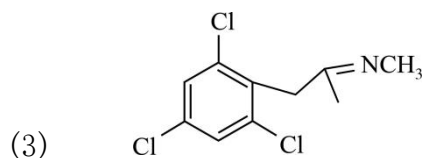
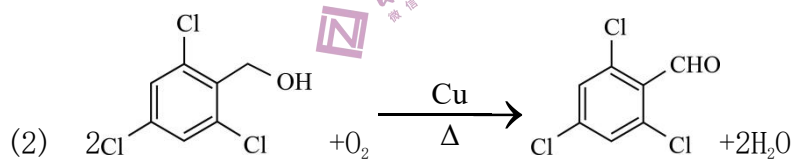
(4) 取少量反应后 A 中溶液于试管中，向其中加入浓 NaOH 溶液，加热，用湿润的红色石蕊试纸接近试管口，若试纸变蓝，则 A 中生成 NH_4^+ 30

18. (1) b (2) 催化剂、吸水剂 (3) 受热均匀，便于控制温度；防止空气中水蒸气进入锥形瓶，使硼酸三甲酯水解 (4) $\text{B}(\text{OCH}_3)_3 + 4\text{NaH} \xrightarrow{240^\circ\text{C}} \text{NaBH}_4 + 3\text{CH}_3\text{ONa}$ (5)

圆底烧瓶 (6) 蒸馏 (7) 0.21

19. (14 分) (每空 2 分)

(1) 2,4,6-三氯苯甲醇 酰胺基



(4) 还原反应 (或加成反应) (5) 11

