

2018~2019学年天津和平区天津市耀华中学高一下学期期末化学试卷(答案)

一、选择题 (每题3分, 共54分)

1. C

2. B

3. B

4. D

5. C

6. C

7. A

8. C

9. D

10. C

11. B

12. C

13. D

14. D

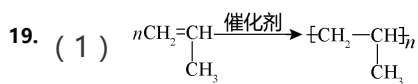
15. A

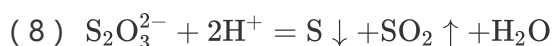
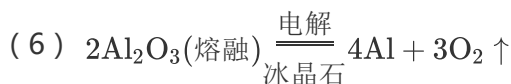
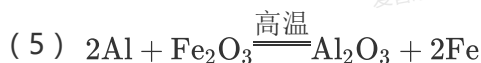
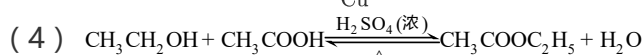
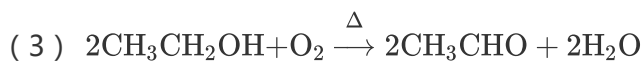
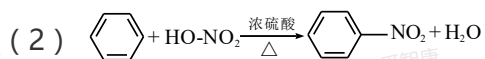
16. D

17. B

18. A

二、填空题 (22分)





20. (1) 2

(2) 0.75 mol/L

(3) $0.05 \text{ mol} \cdot \text{L}^{-1} \cdot \text{min}^{-1}$

三、推断题 (16分)

21. (1) O ; 第三周期ⅢA 族 ; $\text{Al} > \text{C} > \text{N} > \text{O} > \text{H}$

(2) $\text{C} + \text{O}_2 = \text{CO}_2 \uparrow$

(3) $\text{H}:\ddot{\text{N}}:\text{H}$; 三角锥型; $\text{H}-\text{N}-\text{N}-\text{H}$; $\text{N}_2\text{H}_4(\text{l}) + \text{O}_2(\text{g}) = \text{N}_2(\text{g}) + 2\text{H}_2\text{O}(\text{l}) \quad \Delta H = -a \text{ kJ/mol}$

(4) $\text{Al} - 3\text{e}^- + 4\text{OH}^- = \text{AlO}_2^- + 2\text{H}_2\text{O}$

(5) 34 ; H_2SeO_4 ; b

四、实验题 (8分)

22. (1) CuSO_4 与 Zn 反应产生的 Cu 与 Zn 形成 Cu/Zn 微电池

(2) Ag_2SO_4

(3) ① 30 mL ; 10 mL ; 17.5 mL

② 当加入一定量的 CuSO_4 后, 生成的单质 Cu 会沉积在 Zn 的表面, 降低了 Zn 与溶液的接触面积