

2018-2019 新华高一期中

一、单选题

- 1 D 2 A 3 A 4 A 5 D 6 C 7 B 8 C 9 D 10 A 11 B
- 12 C 13 C 14 B 15 C 16 D 17 D 18 D 19 A 20 C

二、简答题

21 (1) ① ②

② ①

③ ③④

④ ⑦

⑤ ⑤⑥

(2) 4

(3) ① $\begin{array}{cc} \text{H} & \text{H} \\ | & | \\ \text{H} : \text{C} & :: \text{C} : \text{H} \\ | & | \end{array}$

② 1:羧基

2:聚乙烯

③ $1: 2\text{CH}_3\text{CH}_2\text{OH} + \text{O}_2 \xrightarrow[\Delta]{\text{Cu}} 2\text{CH}_3\text{CHO} + 2\text{H}_2\text{O}$

2:氧化反应

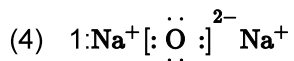
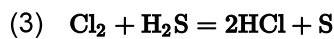
④ 1:饱和碳酸钠溶液

2:防倒吸

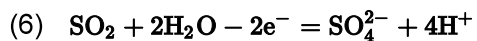
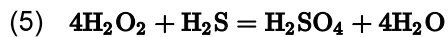
3:振荡静置分液

22 (1) $r(\text{Na}^+) < r(\text{O}^{2-}) < r(\text{Cl}^-)$

(2) $\text{H} : \ddot{\text{O}} : \ddot{\text{Cl}} :$



2:有气体产生, 溶液先变红, 后褪色



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(1) ① $0.005 \text{ mol}/(\text{L} \cdot \text{min})$

② C

(2) ① 试管中有大量的气泡产生, 带火星的木条复燃

② 1:甲

2:因过氧化氢溶液中自身有水, 可见水不是催化剂

③ 1:起催化作用的不是 Cl^-

2:起催化作用的是 Fe^{3+}

(3) CD

(4) ① 2

② $0.05 \text{ mol}/(\text{L} \cdot \text{min})$

③ $1:0.6 \text{ mol}/\text{L}$

2: 2.4 mol