

2019~2020学年11月深圳市南山区育才中学高一上 学期月考化学试卷

一、单选题

1 A 2 B 3 C 4 A 5 D 6 B 7 C 8 A 9 D 10 D 11 C

12 C 13 C 14 B 15 A 16 C 17 D 18 B 19 A 20 A

二、实验题

21 (1) ① ②

② 1:胶头滴管

2:100 mL 容量瓶

3:10

4:A

(2) ① $1:\text{H}^+ + \text{HCO}_3^- = \text{CO}_2 \uparrow + \text{H}_2\text{O}$

2: $\text{H}^+ + \text{OH}^- = \text{H}_2\text{O}$

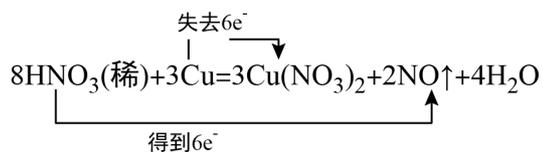
② 84%

三、简答题

22 (1) $2\text{KClO}_3 + 4\text{HCl}(\text{浓}) = 2\text{KCl} + 2\text{ClO}_2 \uparrow + \text{Cl}_2 \uparrow + 2\text{H}_2\text{O}$

(2) ②

23 (1)



(2) 3 : 2

(3) 0.3 mol

24 (1) 3

(2) B

(3) Mg

(4) 1: $\text{Ag}^+ + \text{Cl}^- = \text{AgCl}\downarrow$

2: $\text{Mg}^{2+} + 2\text{OH}^- = \text{Mg}(\text{OH})_2\downarrow$

四、工艺流程题

25 (1) 除去废铁屑表面的油污

(2) 1: C

2: H_2

3: H_2S

4: C

(3) 1: $\text{H}_2\text{SO}_4 + \text{H}_2\text{O}_2 + 2\text{FeSO}_4 = \text{Fe}_2(\text{SO}_4)_3 + 2\text{H}_2\text{O}$

2: H_2O

(4) 1: 加热浓缩

2: 冷却结晶

3: 过滤

4: $\text{Fe}_2(\text{SO}_4)_3 + (\text{NH}_4)_2\text{SO}_4 + 12\text{H}_2\text{O} = 2\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$