

2020红桥高三一模

一、单选题

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

12 D

二、非选择题

13 (1) 1: $[\text{Ne}]3s^1$

2: 球形

(2) p ; $\begin{array}{|c|} \hline \uparrow\downarrow \\ \hline \end{array}$ $\begin{array}{|c|c|c|} \hline \uparrow\downarrow & \uparrow & \uparrow \\ \hline \end{array}$

(3) 1: 1 : 13

2: sp^2 和 sp^3

(4) $:\ddot{\text{O}}::\text{C}::\ddot{\text{O}}:$; 平面三角形 ; 正四面体

(5) 1: H_2O

2: AD

(6) 是

14 (1) $\text{C}_{11}\text{H}_{18}\text{N}_2\text{O}_3$

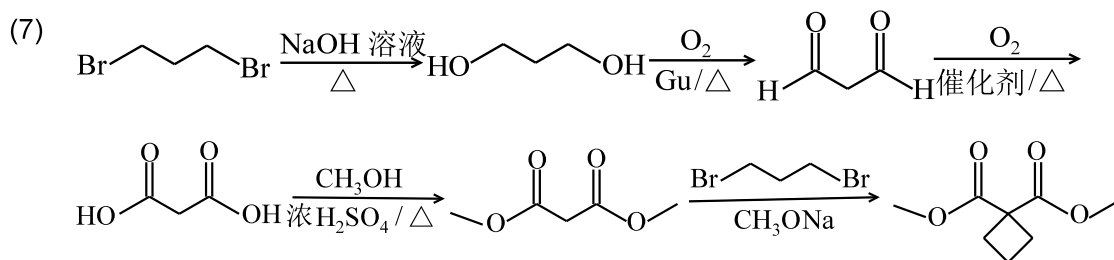
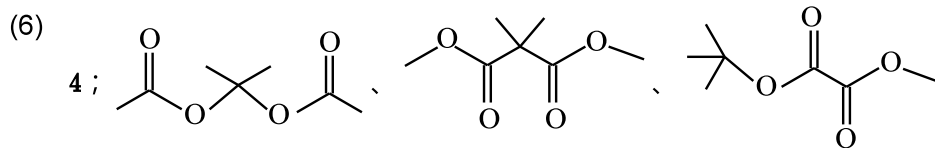
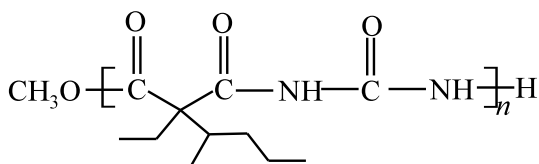
(2) 羧基、酯基

(3) 1: 氧化反应

2: 取代反应

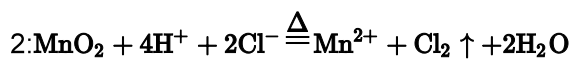
(4)
$$\text{CH}_3\overset{\text{O}}{\parallel}\text{COCH}_3 + \text{HCOC}_2\text{H}_5 \xrightarrow{\text{碱}/\Delta} \text{H}-\overset{\text{O}}{\parallel}\text{C}-\text{CH}_2-\overset{\text{O}}{\parallel}\text{C}-\text{OCH}_3 + \text{C}_2\text{H}_5\text{OH}$$

(5)

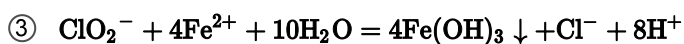


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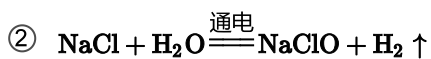
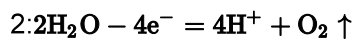
(1) ① 1:分液漏斗



② b、a、d



(2) ① $1:2\text{H}_2\text{O} + 2\text{e}^- = \text{H}_2 \uparrow + 2\text{OH}^-$



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(1) ① $\text{C}(\text{s}) + 2\text{CuO}(\text{s}) = \text{CO}(\text{g}) + \text{Cu}_2\text{O}(\text{s}) \quad \Delta H = +85.6 \text{ kJ/mol}$

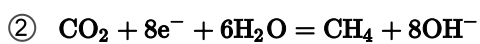
② 1:>

2:<

$$3:0.2 \text{ mol} \cdot \text{L}^{-1} \cdot \text{min}^{-1}$$

4:16.2

(2) ① $\frac{1}{3} \text{ mol}$



(3) 1.6×10^{-3}