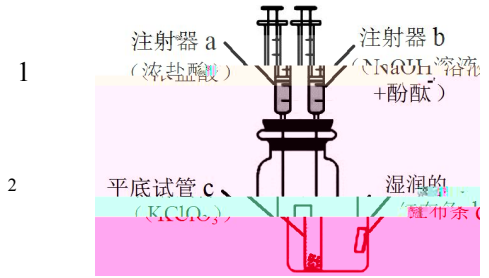


4

2

2

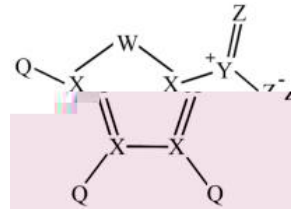
5



3 3 2 2 2 2 1 4 3 3 3 11 2

2 2 2 $\xrightarrow{\text{通电}}$ 2 2 2

2⁺⁺ 3 2 + 2⁺⁺ 2
2⁺⁺ 4² 4



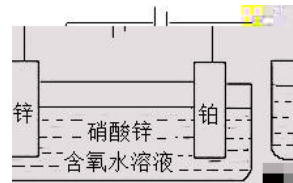
()₂

()₂

3 + 2 + 2 2 + 2

2 + 2 2 + 4 4

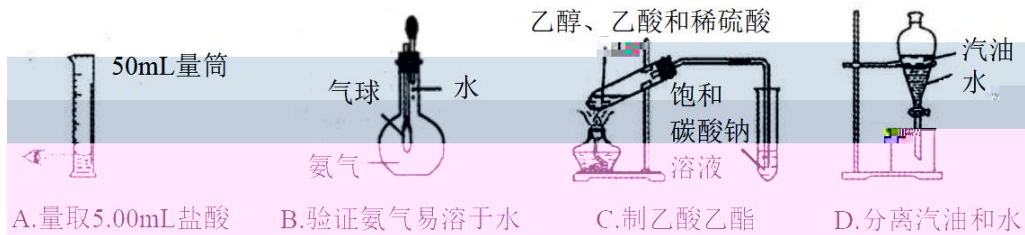
2⁺



0.1

2

()₂

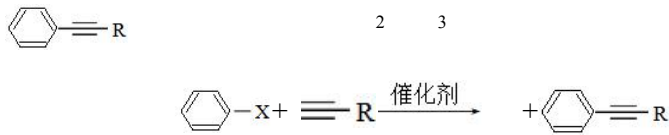
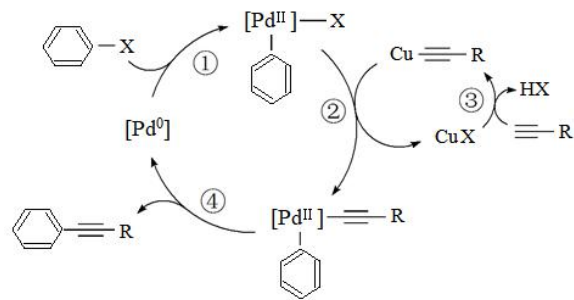


A. 量取 5.00 mL 盐酸

B. 验证氨气易溶于水

C. 制乙酸乙酯

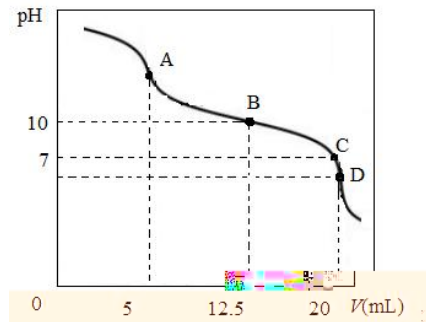
D. 分离汽油和水



10

$$c(\text{H}^+) = c(\text{OH}^-) + c(\text{S}^{2-})$$

$$K_{a1} = \frac{c(\text{H}^+)c(\text{HS}^-)}{c(\text{H}_2\text{S})}$$



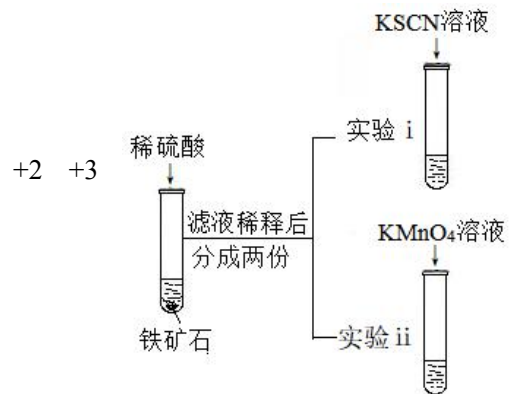
5 60

11. 13

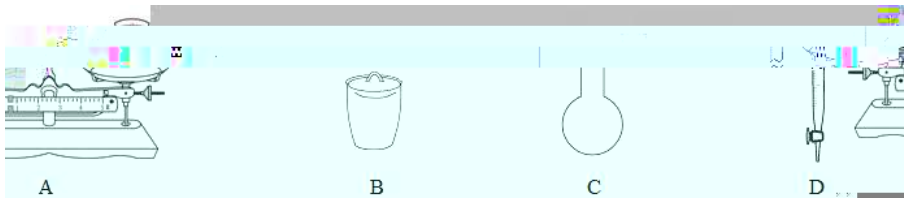
1

2

+3



1 0.3000 2 3 2 2 00
 10 2
 2 1
 100
 3 1-2
 1 2 2 3
 2 2 3² + 2 4 2 + 2 2 2⁺+4 2 + 2
 3

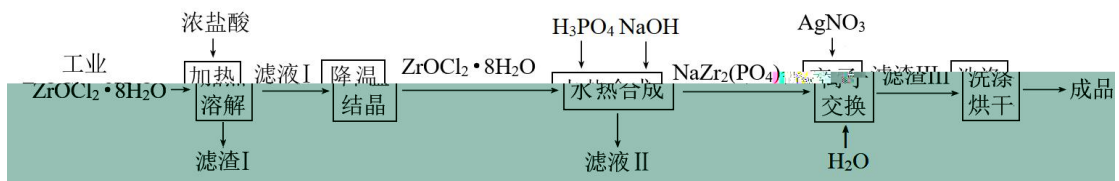


4 2
 5 3

/	0	1	3	5	10
/%	25.	2 . 3	2 . 3	2 .	2 .10

12. 13

2 2 2 3 2



$K = ()_2 \cdot 3 \cdot 10^{-4}$

1 "
 2 "
 3 " 1 0 10

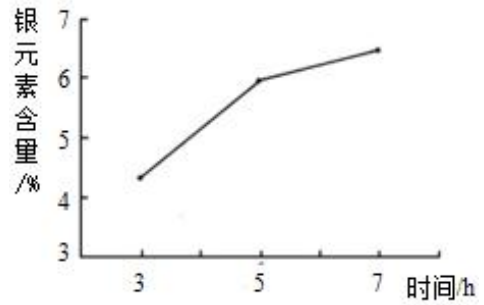
/	0	1		10
	1. 0	0. 5	0.50	0.50

0
2+

()₂ ()₂

1

4 " " + 2(4)₃
+

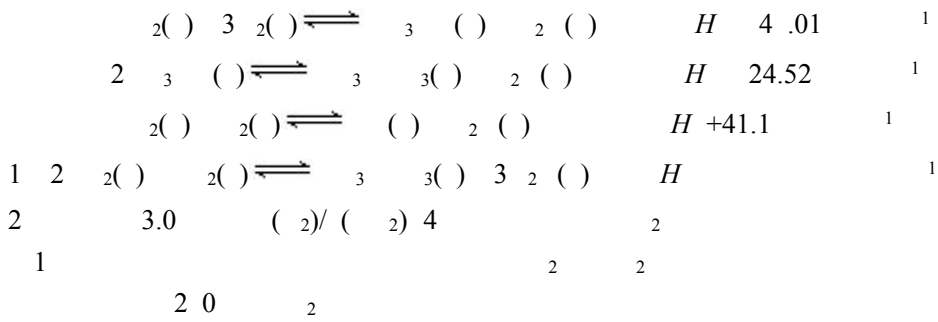


5

5

13 14

2



1 300 3 3

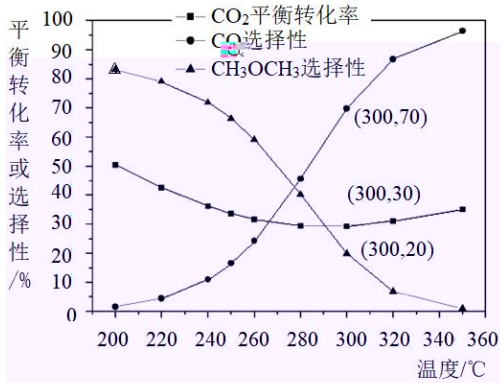
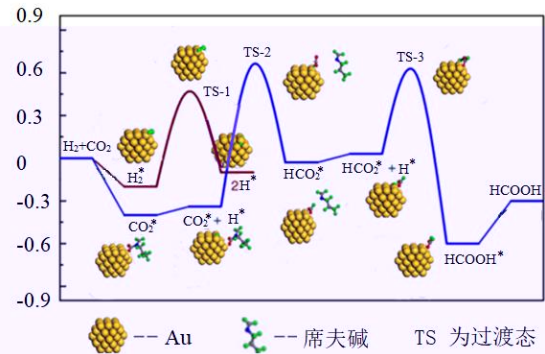


图1



2

2

*

3

4

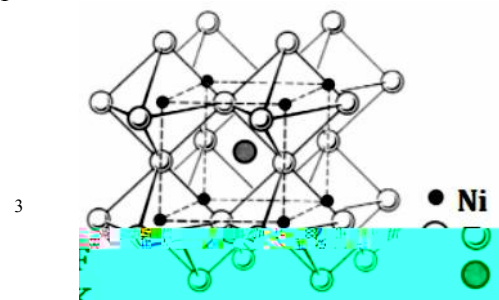
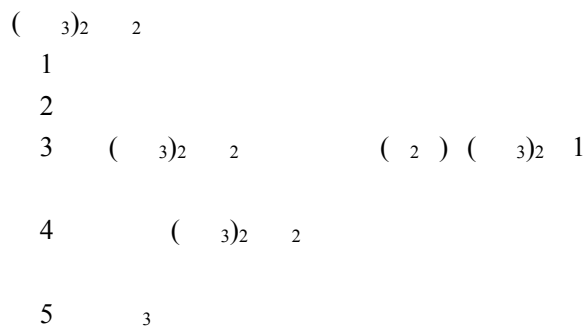
2

2

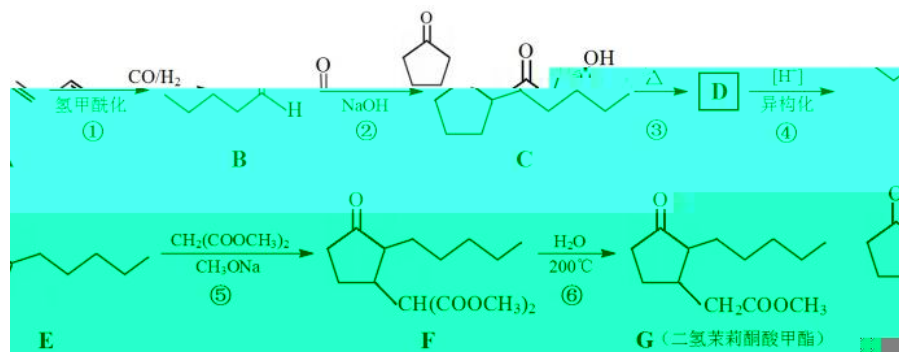
2



14 10



15 10



1

2

3

4 1

5 3 3 1

1