

# 2021 3

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

11.

- 1 1 2
- 2 “
- ” 2
- 3 1
- 4 2
- 5  $Q_c(\text{MnS}) = 2 \times 10^{-21} < K_{sp}(\text{MnS})$  2



12.

- 1 1 
$$\left[ \text{CH}_2 - \text{C}(\text{OCH}_3) \right]_n + n \text{NaOH} \longrightarrow n \text{HOCH}_2 - \text{CH}_2 - \text{COONa}$$
 2
- 2 1 “ ” 1
- 3 2
- 4 pH
- 2
- 5 C 1
- 6 93.8% 2

$$\frac{5.8\text{g}}{\frac{2.1\text{g}}{74\text{g}\cdot\text{mol}^{-1}} \times 218\text{g}\cdot\text{mol}^{-1}} \times 100\% = 93.8\%$$

13. 12

1  $+81.4\text{kJ}\cdot\text{mol}^{-1}$  “+” 1 2

2 C 1

3 1

C 1

17.0% 2 60.0% 1

2 “ ” “ ” 1

4  $\text{C}_3\text{H}_8-20\text{e}^-+10\text{O}^{2-}=3\text{CO}_2+4\text{H}_2\text{O}$  2

14. 2

(1) O B Li Ba

(2)  $\text{sp}^2$

(3) B

(4) 2:3

(5) 12  $\sqrt{\quad}$

15. 2

(1) “ ”

(2)

