

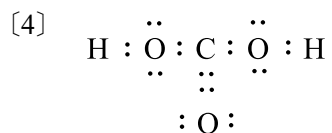
化学 立命館大学 全学統一方式 (2/2実施) 1/2

I

[1] (i) (ア) ④ (イ) ② (ウ) ⑥ (ii) ①, ⑤ (iii) 面心立方格子 (iv) ④

[2] (i) ③ (ii) (ア) ⑥ (イ) ⑤ (ウ)  $2.5 \times 10^5$  Pa (エ) 25

[3] (i)  $\text{CaCO}_3 + 2\text{HCl} \rightarrow \text{CaCl}_2 + \text{CO}_2 + \text{H}_2\text{O}$  (ii) ⑤



II

[1] ⑦

[2] ③

[3] ①

[4]  $-6.5 \times 10^{-2}$  g

[5]  $\text{Zn} + 2\text{NaOH} + 2\text{H}_2\text{O} \rightarrow \text{Na}_2[\text{Zn}(\text{OH})_4] + \text{H}_2$

[6] 非共有電子対

[7] (b)  $\text{Zn}(\text{OH})_2$  (e)  $\text{ZnS}$

[8] (c) ④ (d) ③

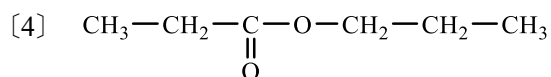
[9] ④

III

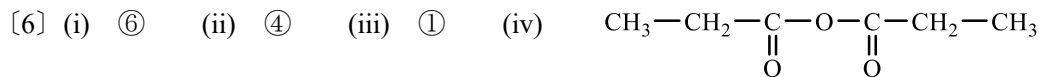
[1] ギ酸

[2] ⑥

[3] ④



[5] ⑧



[7] ②, ③

IV

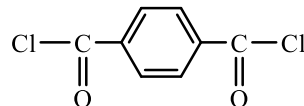
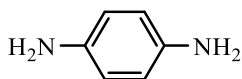
[1] 界面活性剤

[2] ④

[3] ⑤

[4] (i) 付加縮合 (ii) HCHO

[5] (i) ②, ⑤ (ii) (ア) *p*-フェニレンジアミン テレフタル酸ジクロリド (イ) ④



[6] (i) NH<sub>3</sub> (ii) ③ (iii) ⑥