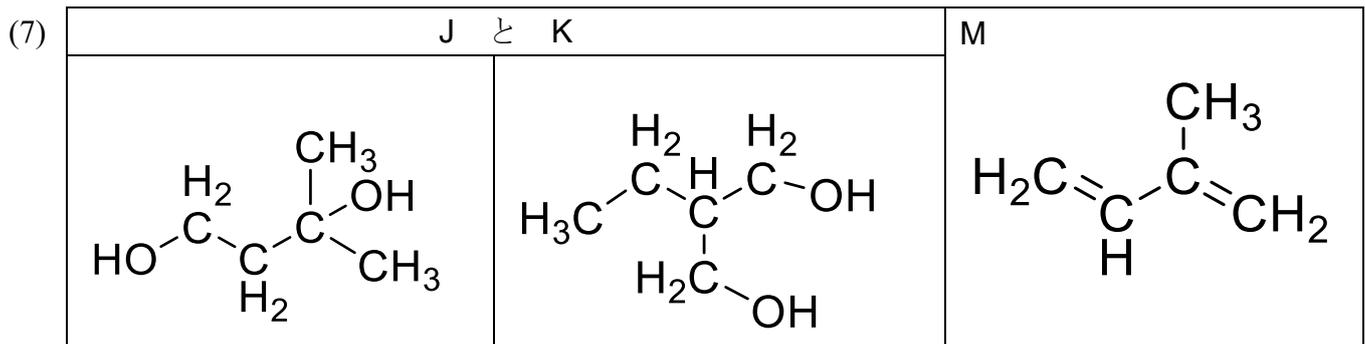
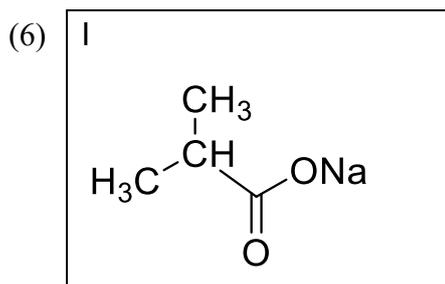
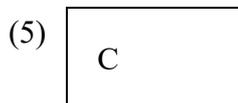
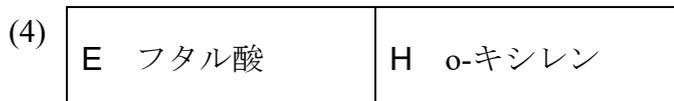
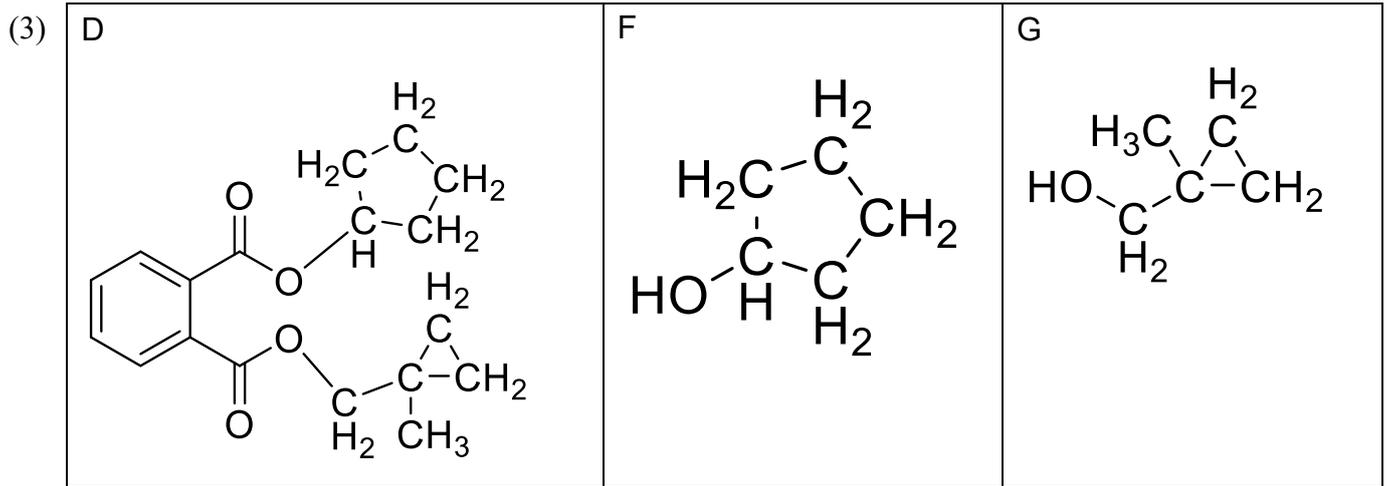
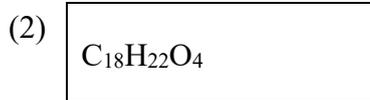
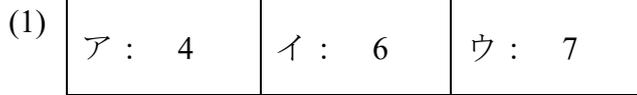


第 1 問



第 2 問

問 2

(1)	(ア)	$\frac{[\text{HS}^-]K_w}{[\text{S}^{2-}]10^{-x}}$
	(イ)	$\frac{[\text{H}_2\text{S}]K_w}{[\text{HS}^-]10^{-x}}$

(2)	(ウ)	$\left(1 + \frac{K_1 10^{-x}}{K_w} + \frac{K_1 K_2 10^{-2x}}{K_w^2}\right) \times 1$
	(エ)	$m^2 \times \left(1 + \frac{K_1 10^{-x}}{K_w} + \frac{K_1 K_2 10^{-2x}}{K_w^2}\right)^{-1} \times 1^{-2}$

(3)	3.2×10
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第 3 問

問 1

(1)	ア	陽子	イ	中性子
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(2)	10
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(3)	9
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(4)	36.7 %
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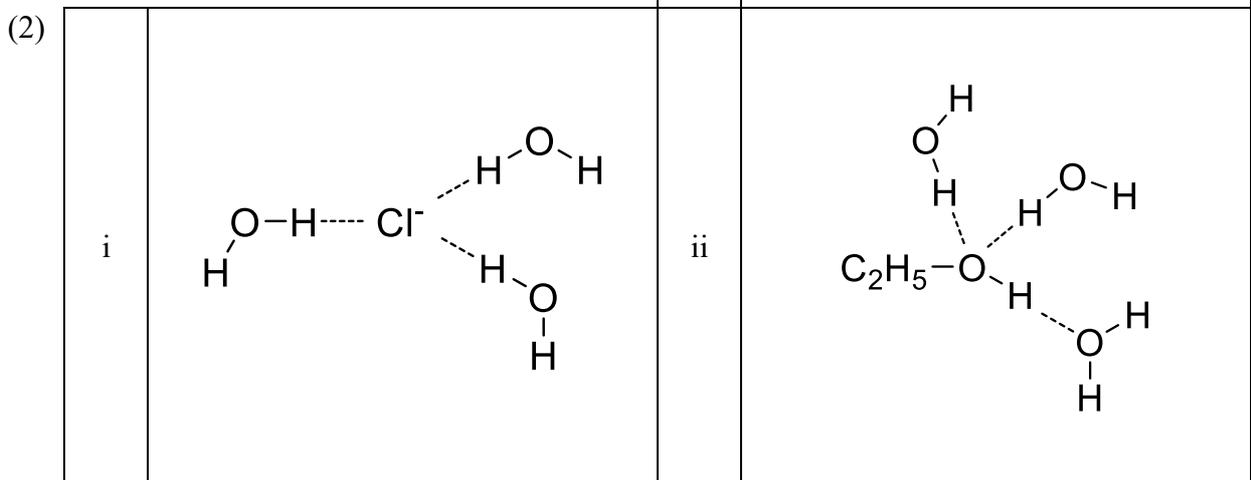
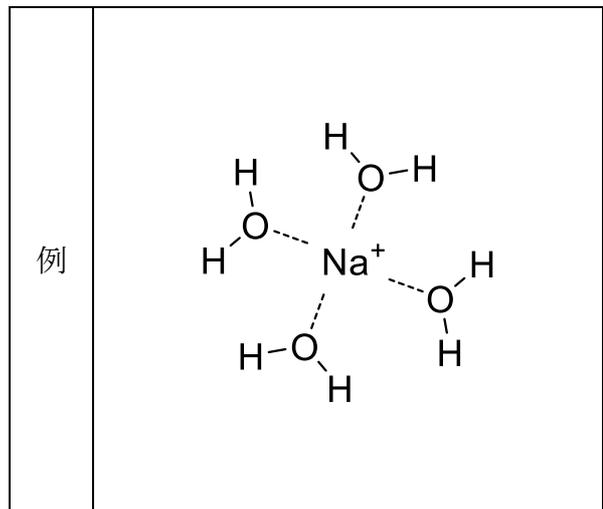
(5)	(i)	0.63 mol	(ii)	342 L	(iii)	5.4 L
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第 3 問

問 2

(1)

ア	水素
イ	親水
ウ	疎水



(3)

あ	(c)	い	(b)	う	(a)
え	(f)	お	(e)	か	(d)

(4)

(i)	0.73		(ii)	0.41		
(iii)	A	1	B	8	C	4
	D	6	E	8	F	6
	き	CsCl	<	CsCl	け	NaCl
	こ	NaCl				