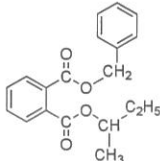
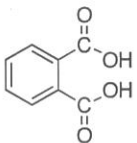
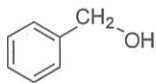
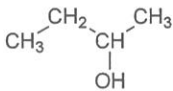
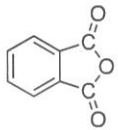
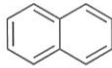

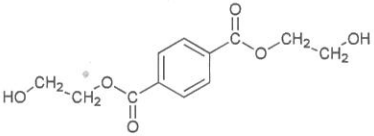


B 5

表

氏 名		受 験 番 号	
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I	(1)	(あ)	(c)	(い)	(a)	(う)	(h)	(え)	(k)	(お)	(d)		
	(2)	(a), (e)											
	問 1	化合物 A 				化合物 B 			化合物 C 				
		(3)	化合物 D 				化合物 E 			化合物 F 			
	(4)	11 g											
(1)	2.0×10^4 個												
問 2	(2)	(イ)	(b)	(ロ)	(c)	(ハ)	(a)						
	(3)	(イ)	化合物 A 										
		(ロ)	化合物 B ホルムアルデヒド	1.4×10^3 g									
	(4)	加硫											
	(5)												

採 点 欄		
I		
II		
III		
合計		

問 1	(A)	Na	(B)	H ₂	(C)	NaOH	(D)	NaCl		
	(E)	CaCO ₃	(F)	CO ₂	(G)	CaO	(H)	NaHCO ₃		
	(I)	NH ₄ Cl	(J)	Na ₂ CO ₃	(K)	Ca(OH) ₂	(L)	CaCl ₂		
問 2	①	(ア)	②	(タ)	③	(カ)	④	(ス)	⑤	(ケ)
問 3	陰極 $\text{Na}^+ + \text{e}^- \rightarrow \text{Na}$									
	陽極 $2\text{Cl}^- \rightarrow \text{Cl}_2 + 2\text{e}^-$									
問 4	$\frac{i \cdot t}{2F}$					mol				
問 5	$\text{CaCO}_3 + \text{CO}_2 + \text{H}_2\text{O} \rightleftharpoons \text{Ca}^{2+} + 2\text{HCO}_3^-$									

問 1	(1)	(あ) $K_c = \frac{[\text{HI}]^2}{[\text{H}_2][\text{I}_2]}$			
	(2)	[H ₂] (H)	[I ₂] (K)		
	(3)	64	(4)	$7.5 \times 10^{-4} \text{ L}/(\text{mol} \cdot \text{s})$	
	(5)	0.19 mol/L			
	問 2	(1)	(ア) $K_1 = \frac{[\text{H}^+][\text{HS}^-]}{[\text{H}_2\text{S}]}$	(イ) $K_2 = \frac{[\text{H}^+][\text{S}^{2-}]}{[\text{HS}^-]}$	
(2)		(ウ) $K = K_1 K_2$	(3)	$1.2 \times 10^{-21} (\text{mol}/\text{L})^2$	
(4)		(I) (B)	(II)	2.65	