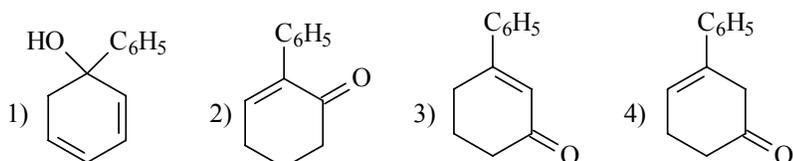
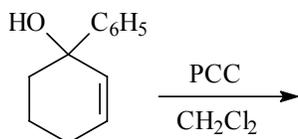


11. The tertiary alcohol below was reacted with PCC in CH_2Cl_2 and gave a product, $\text{C}_{12}\text{H}_{12}\text{O}$. The product had a strong absorption in the IR spectrum at 1700 cm^{-1} . Predict which of the following is the product. (note: PCC is pyridinium chlorochromate, $[\text{C}_5\text{H}_5\text{NH}^+][\text{ClCrO}_3^-]$)

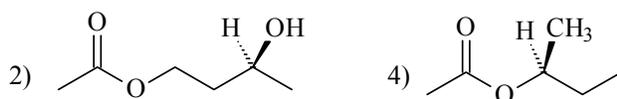
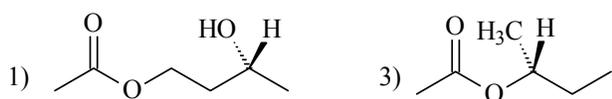
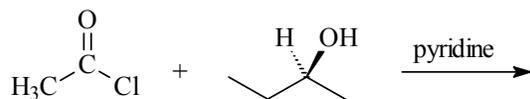


- 1) 1 2) 2 3) 3 4) 4

12. Which of the following reagents will convert cyclohexene into *cis*-1,2-cyclohexanediol?

- 1) OsO_4 , $(\text{CH}_3)_3\text{COOH}$, $(\text{CH}_3)_3\text{COH}$, OH^-
 2) HIO_4
 3) O_3 followed by $\text{Zn}/\text{H}_2\text{O}$
 4) $\text{CH}_3\text{CO}_3\text{H}$ (peroxyacetic acid)

13. Which of the following is the product of the reaction shown below?



- 1) 1 2) 2 3) 3 4) 4

Answer Key for Test "211c15q2.tst", 2/23/2004

No. in Q-Bank	No. on Test	Correct Answer
15	2	1
15	4	2
15	6	3
15	8	4
15	10	5
15	12	6
15	14	7
15	16	8
15	18	9
15	20	10
15	22	11
15	24	12
15	26	13
15	28	14
15	30	15