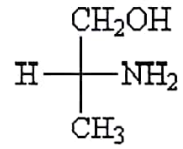
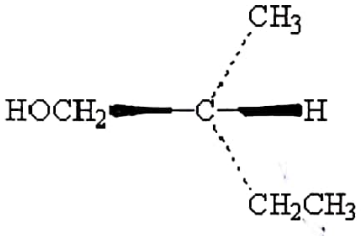
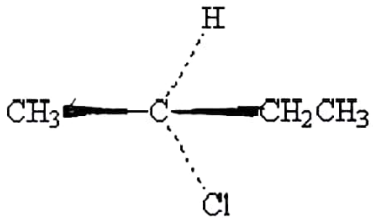
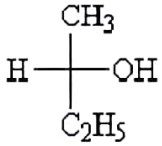
IB Chem II: Enantiomer Nomenclature Name:

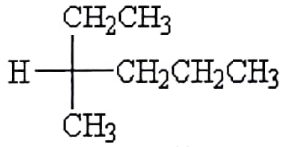
Designate configuration of each compound shown below: Looking for R/S designations

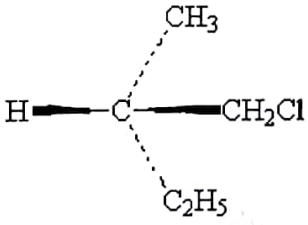
(C) 

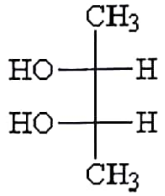
(D) 

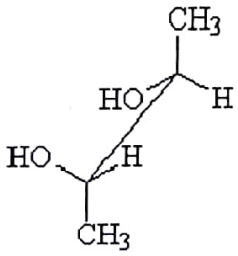
(E) 

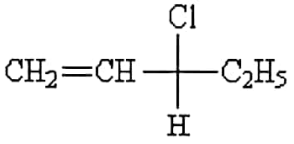
(F) 

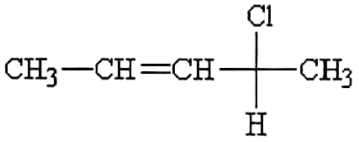
(G) 

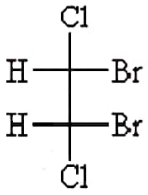
(H) 

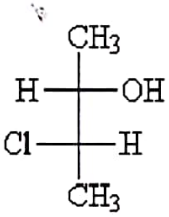
(I) 

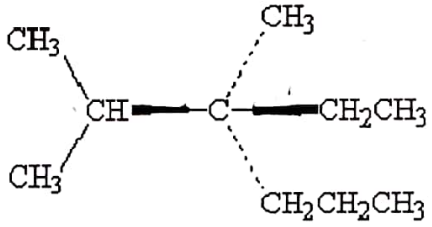
(J) 

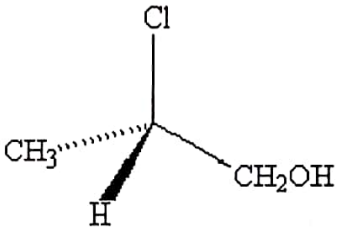
(K) 

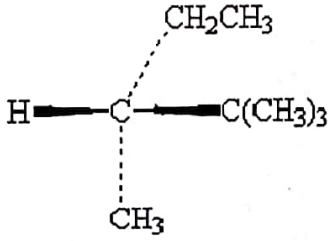
(L) 

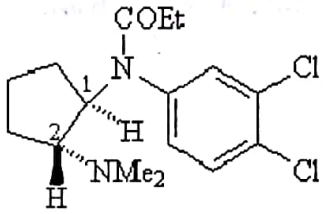
(M) 

(N) 

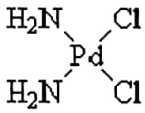
(O) 

(P) 

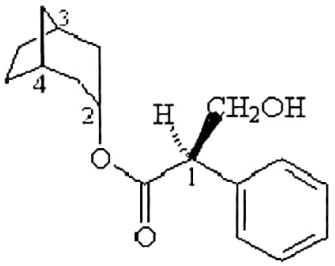
(Q) 



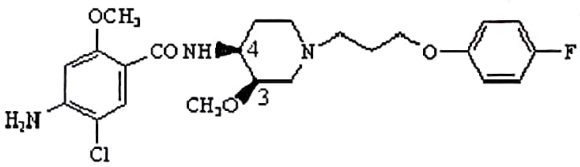
(A) **eclanamine**, antidepressant
designate RS configurations



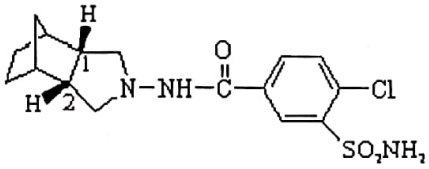
(B) **cisplatin**, antitumor agent
planar, are other isomers possible?



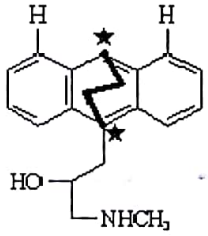
(C) **atropine**, designate RS configuration



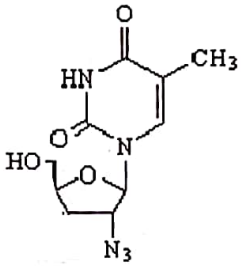
(D) **cisapride**, racemic, dopamine antagonist
designate RS configurations



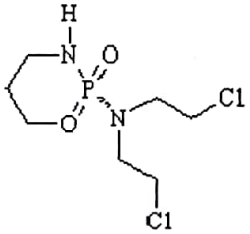
(E) **tripamide**, diuretic, is this compound chiral?
If so, determine RS configuration at each chiral center



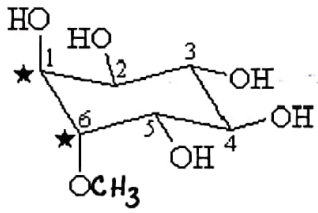
(F) **oxaprotline**, antidepressant,
how many chiral centers? designate RS configurations



(G) **AZT**, anti-HIV
designate RS configuration
→ azidothymidine



(H) **cyclophosphamide**, an antineoplastic,
Is it chiral? If so, designate RS configurations to each chiral center.



(I) one of **inositol** isomers, antiglycemic,
is it chiral? If so, why? If not, why?
D-Pinitol