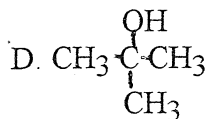
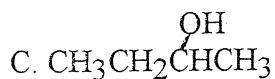
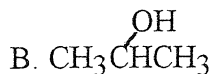
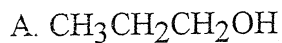
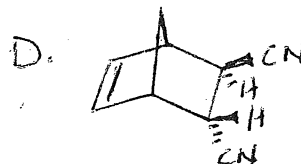
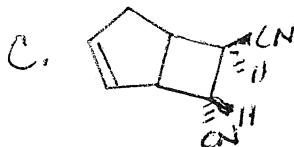
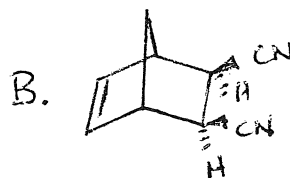
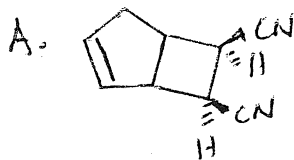
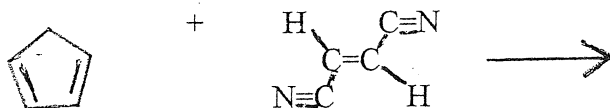


7. Which of the following alcohols would not undergo a color change from orange to green with chromic acid?



8. Predict the product from this reaction:



9. Calculate the extinction coefficient (ϵ) of compound X given the following information:

Pathlength: 1 cm

Concentration: 2.0×10^{-6} M

Absorbance: 0.30

A. 1.5×10^5

B. 1.5×10^{-5}

C. 6.0×10^{-5}

D. 6.7×10^6

10. The mass spectrum of 2-methylbutane has the following main peaks: mass number- 72, 57, 43, 29, and 15. Which of these is the result of the loss of the methyl group?

A. 57

B. 43

C. 29

D. 15