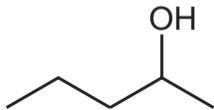


**34** An organometallic lithium compound, RLi, contains the nucleophile  $R^-$ .

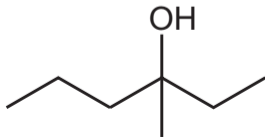
$CH_3CH_2Li$  reacts with pentan-2-one. The mechanism is nucleophilic addition. The first step produces an anion which is then protonated to form the final product.

Which organic product is formed?

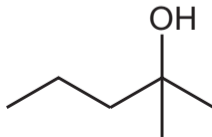
**A**



**B**



**C**



**D**

