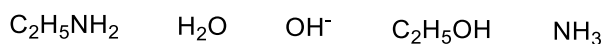
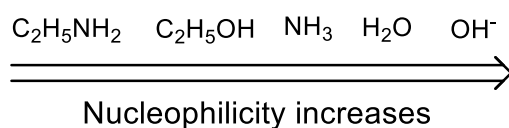


What is nucleophilicity trend for the following chemical species?



The nucleophilicity of a chemical species is a measure of its ability to act as a nucleophile, which is an atom or molecule that donates a pair of electrons to form a new chemical bond. The nucleophilicity of a chemical species is determined by several factors, including the electron density of the species, the stability of the intermediate formed during the reaction, and the solvent used.

The trend of nucleophilicity for the following chemical species is:



This trend is due to the increasing stability of the intermediate that forms during the reaction, as well as the increasing electron-withdrawing nature of the substituents in the amine and alcohol.