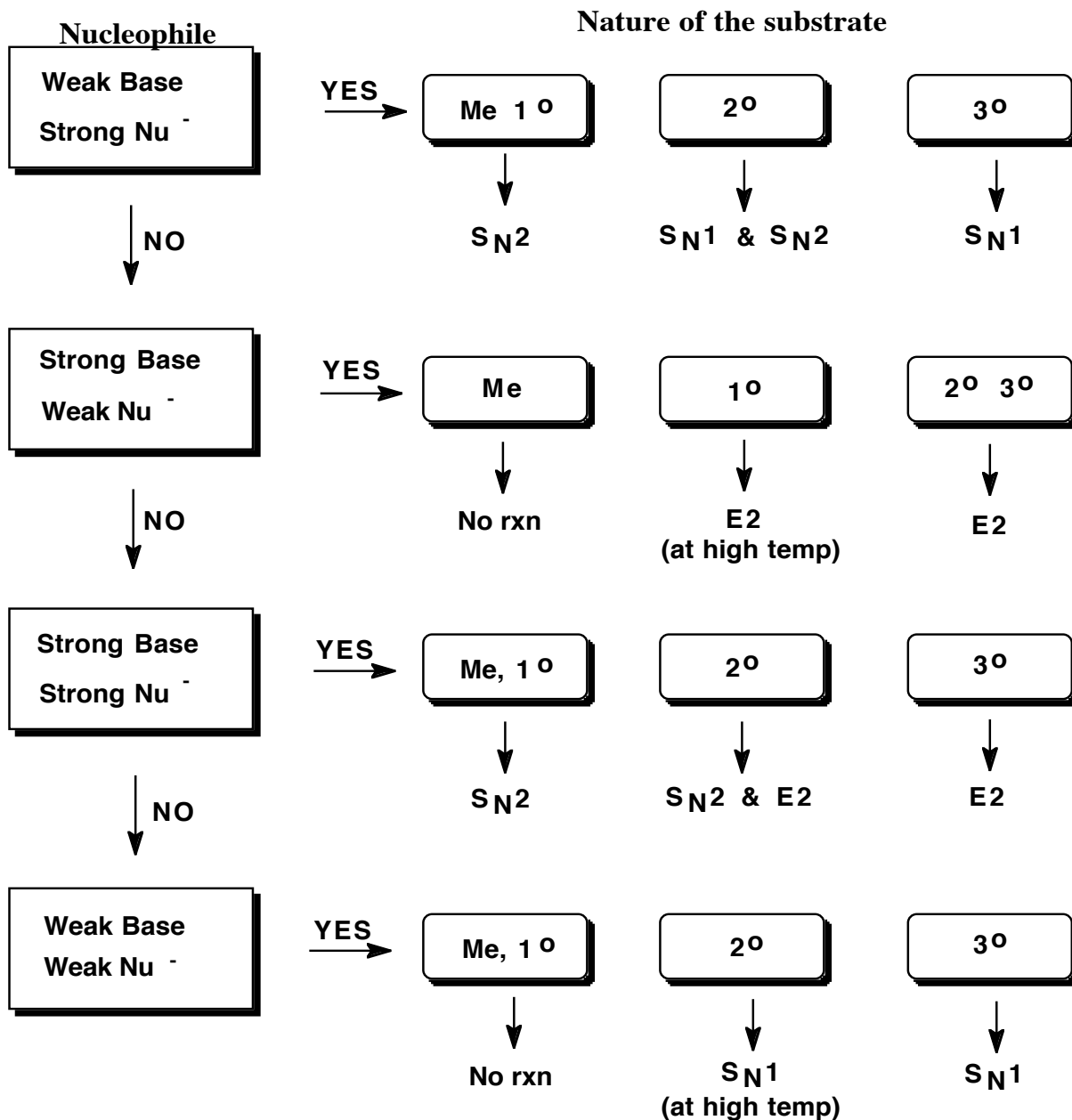


# Flow Chart to Determine Reaction Type

## S<sub>N</sub>1 vs S<sub>N</sub>2 vs E1 vs E2



**Strong Bases**

OH<sup>-</sup> CN<sup>-</sup> RO<sup>-</sup> NH<sub>3</sub>

**Weak Bases**

X<sup>-</sup> H<sub>2</sub>O RCO<sub>2</sub><sup>-</sup> ROH

X<sup>-</sup> = Br<sup>-</sup> Cl<sup>-</sup> I<sup>-</sup>

**Strong Nucleophiles**

OH<sup>-</sup> CN<sup>-</sup> X<sup>-</sup> RO<sup>-</sup> (except bulky)

**Weak Nucleophiles**

H<sub>2</sub>O t-butoxide RCO<sub>2</sub><sup>-</sup> ROH