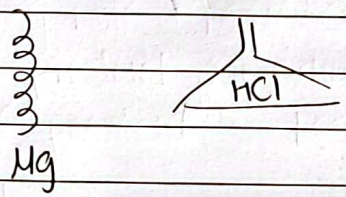
For any chemical reaction these are the main conditions:-

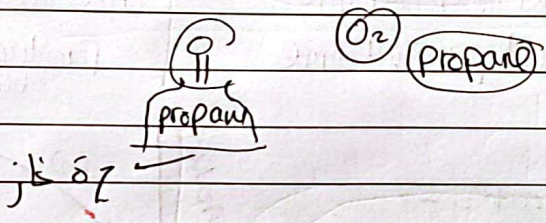
① The reactant must be suitable

$Cu + HCl \longrightarrow$ no rxn

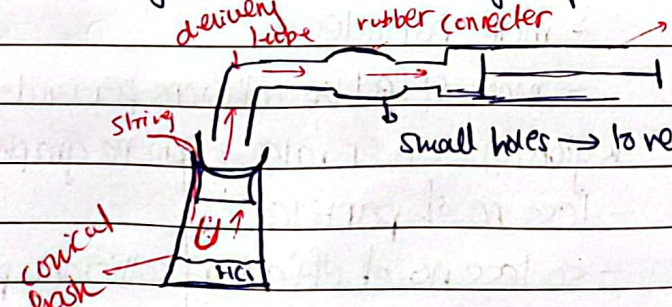
② The reactant must collide



③ The collisions must be effective (minimum amount of energy to start the rxn. Activation Energy. Energy Ea.)



* Measuring rate of reaction:-

$$CaCO_{3(s)} + 2HCl \longrightarrow CaCl_{2(aq)} + H_2O_{(l)} + CO_{2(g)}$$

① Measuring the volume of gas per unit time.