



$$4 \text{ g} = 0.1 \text{ mol}$$

$$0.1 \text{ mol} = 2.24 \text{ L}$$

$$= 2240 \text{ mL}$$

4 g of propyne reacts with NaNH_2 to liberate 2240 mL NH_3 at STP.

Thus statement I is correct but statement II is incorrect.