27. Acetamide is treated separately with the following reagents. Which of these would give methylamine? (1983, 1M)(b) Sodalime (a) PCl<sub>5</sub>

(c) NaOH +  $Br_2$ 

(d) Hot, conc. H<sub>2</sub>SO<sub>4</sub>

27.  $CH_3$ —C— $NH_2 + Br_2$   $\xrightarrow{NaOH}$   $CH_3NH_2$ acetamide methylamine (Hofmann's bromamide reaction)