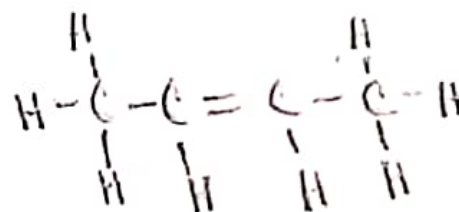


Alkene



Alkene



$KMnO_4$  / Br<sub>2</sub>

Purple color / Brownish-red color

Potassium Permanganate / Bromine

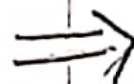
Scene-5



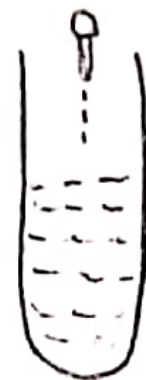
Alkyne



$\text{KMnO}_4 / \text{Br}_2$



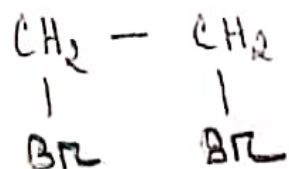
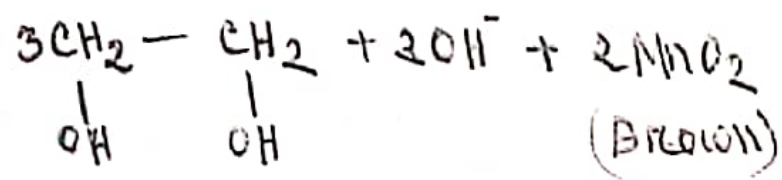
Scene-6



Alkyne



Scene-8



(colorless)

Scene-7



brown color / colorless