## **CONCEPT:** HALOGENATION REACTIONS

• Under this type of reaction  $\_\_\_$  halogens (Br<sub>2</sub> or Cl<sub>2</sub>) are added to  $\_\_\_$   $\pi$  bond.

Halogenation Reactions

Alkene

$$H_3C - C = CH_2 + X_2 \longrightarrow H_3C - C - CH_2$$

Alkyne

 $H_3C - C = CH + X_2 \longrightarrow H_3C - C - CH_2$ 

**EXAMPLE**: Complete the following halogenation reaction.

**PRACTICE:** Write a halogenation reaction of the following alkyne with Br<sub>2</sub> and name the product formed.