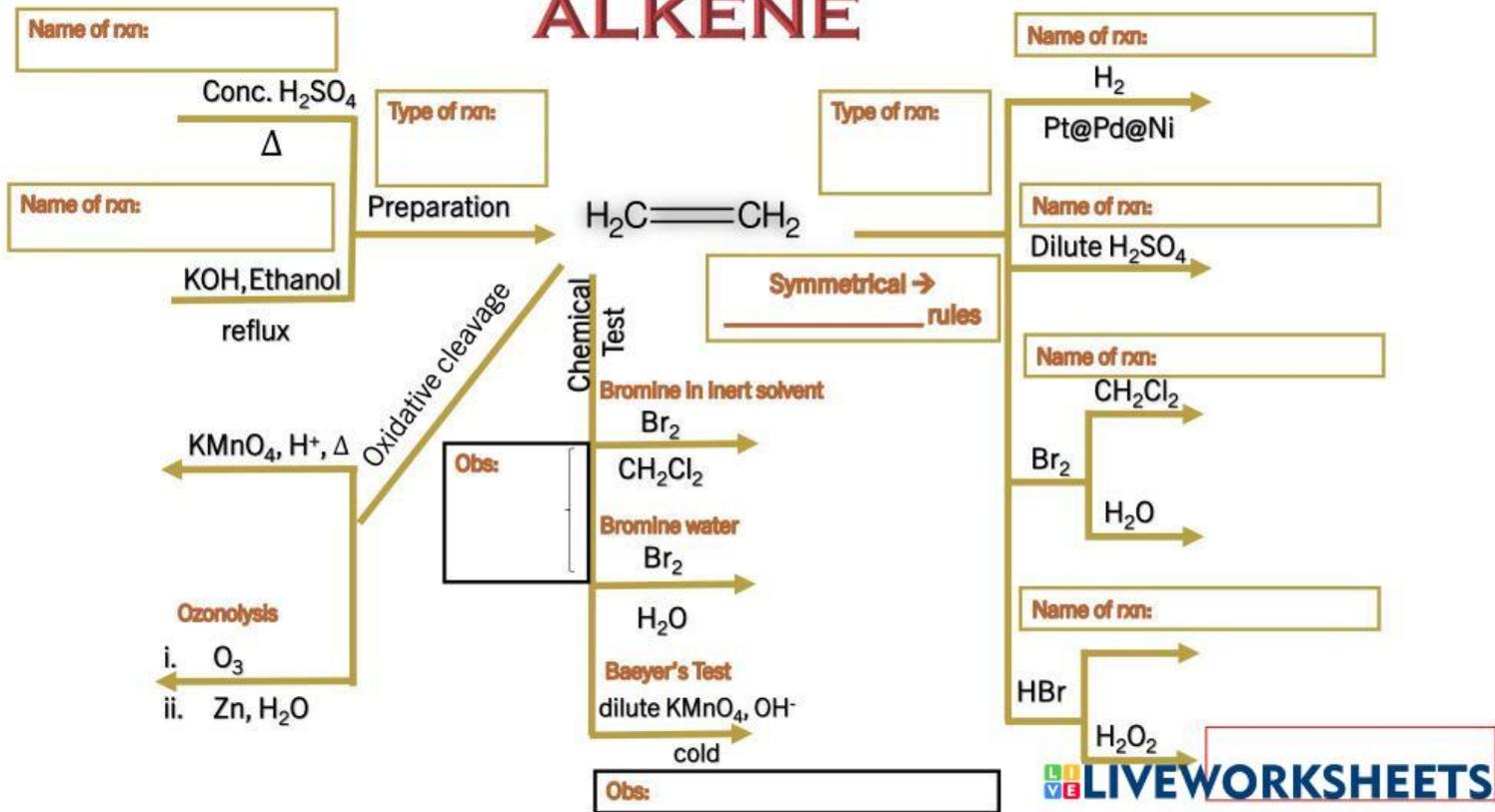
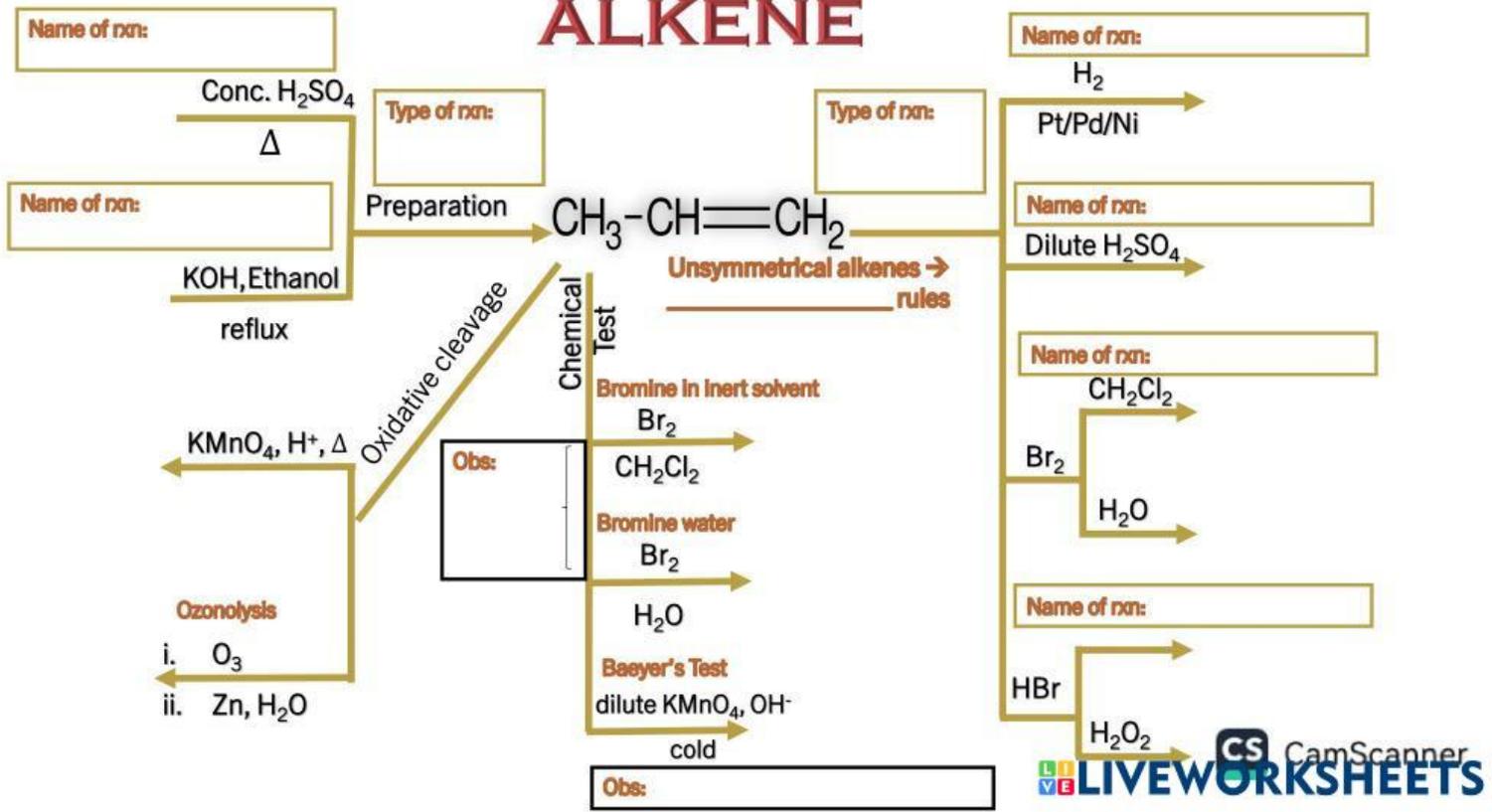


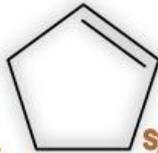
# ALKENE



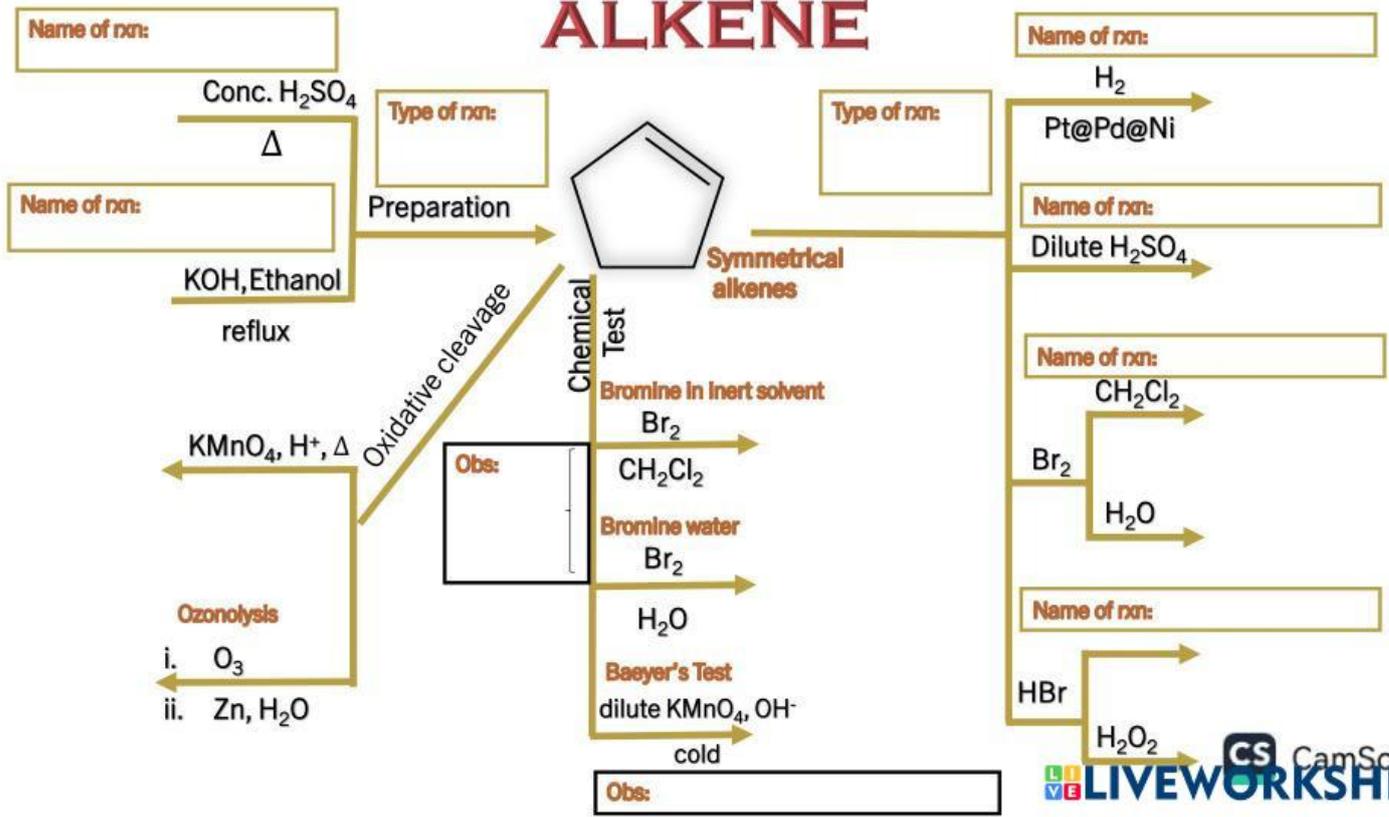
# ALKENE



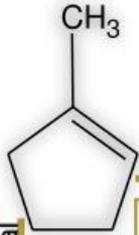
# ALKENE



Symmetrical alkenes



# ALKENE



Name of rxn:

Conc.  $H_2SO_4$

$\Delta$

Type of rxn:

Preparation

Name of rxn:

KOH, Ethanol

reflux

$KMnO_4, H^+, \Delta$

Oxidative cleavage

Ozonolysis

i.  $O_3$

ii. Zn,  $H_2O$

Type of rxn:

Name of rxn:

$H_2$

Pt@Pd@Ni

Name of rxn:

Dilute  $H_2SO_4$

Name of rxn:

$CH_2Cl_2$

$Br_2$

$H_2O$

Name of rxn:

HBr

$H_2O_2$

Unsymmetrical  $\rightarrow$  rules

Chemical Test

Bromine in inert solvent

$Br_2$

$CH_2Cl_2$

Bromine water

$Br_2$

$H_2O$

Baeyer's Test

dilute  $KMnO_4, OH^-$

cold

Obs:

Obs: