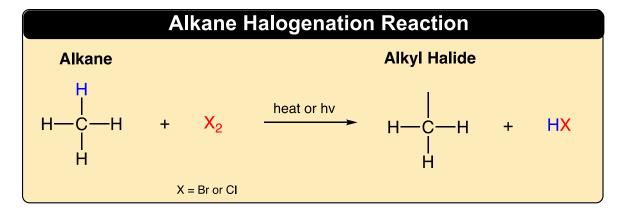
CONCEPT: ALKANE REACTIONS

- Alkanes are the _____ reactive of the hydrocarbons.
 - □ Common types of reactions: (1) ______; (2) _____.
- (1) Combustion: hydrocarbons react with O₂ to produce CO₂ and water.
- (2) Halogenation: a _____ reaction where Br₂ or Cl₂ replaces one of the Hs.
 - □ Reaction requires _____ or ____ light (hv) to break the bond between _____ (X).



□ Alkanes can be _____substituted: only __ H is substituted; or ____substituted: _____ than 1 H is substituted.

EXAMPLE: What are all the major products of the following halogenation reaction? (Assume monosubstitution.)

PRACTICE: Determine the major product(s) of the following alkane reaction. (Assume monosubstitution.)