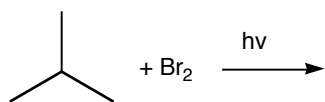


Alkane Brominations:

Skills:

1. Identify all possible monosubstituted products
2. Identify the Major Product
 - Consider all possible radicals. The carbon that gives the most stable radical will be the carbon that gets brominated preferentially.
 - This is true because the rate determining step is the step in which a hydrogen is abstracted and a carbon radical is formed.
 - Thus, according to the product stability/reactivity principle, the pathway leading via the best carbon radical is the preferred path.
3. Write the mechanism for chain propagation (with detailed arrows)

1. Do all three things for:

Mechanism

2. Identify the Major Product for each of the following:

