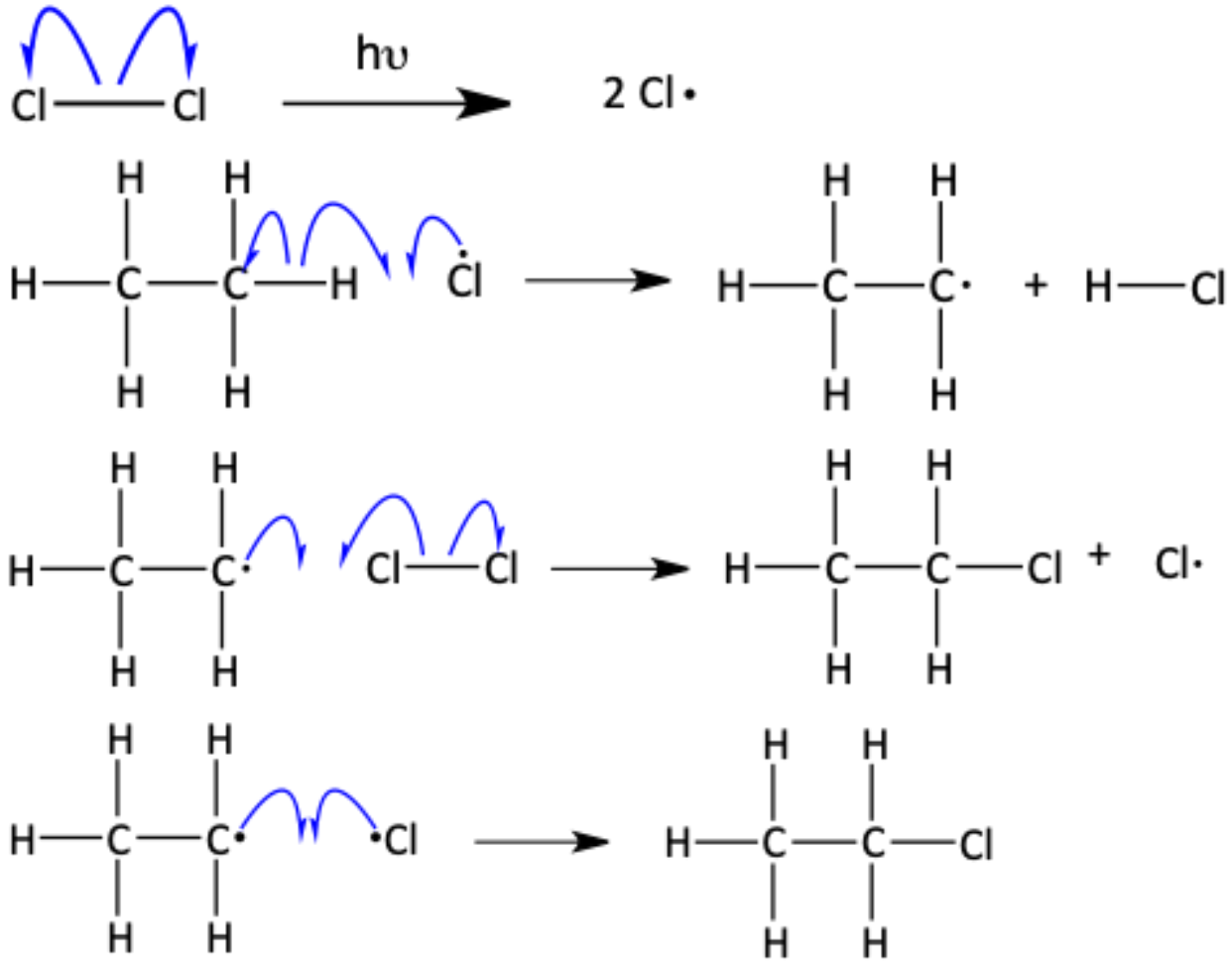
Alkyl Halide Reaction Review: Answer Key

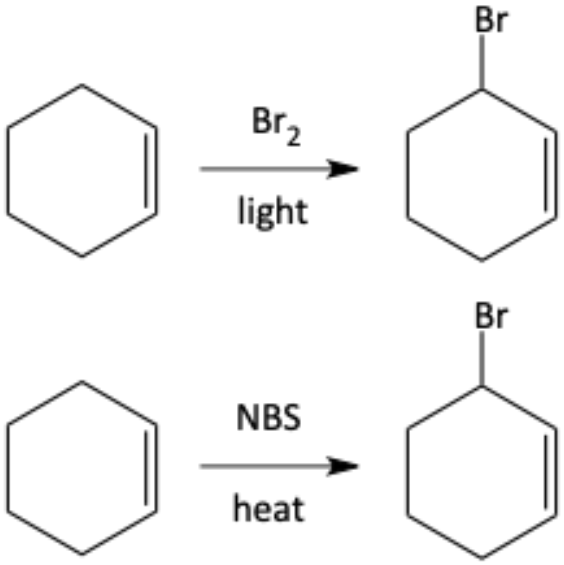
All reactions, complete.

Name: _____ Date: _____

Free-radical halogenation



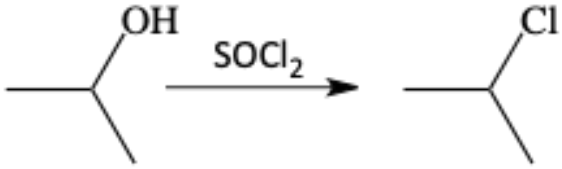
Allylic bromination



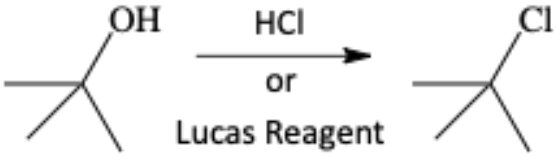
Alcohols to good leaving groups



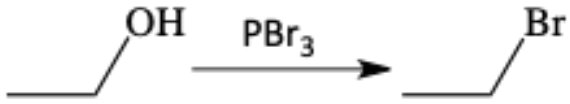
1° alcohol



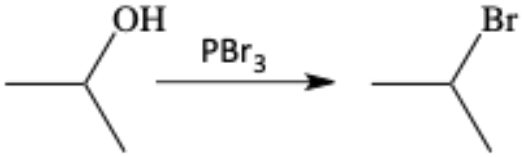
2° alcohol



3° alcohol



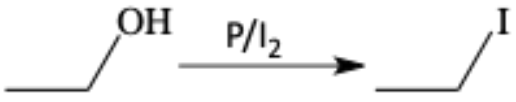
1° alcohol



2° alcohol



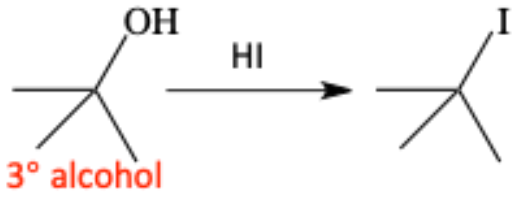
3° alcohol



1° alcohol



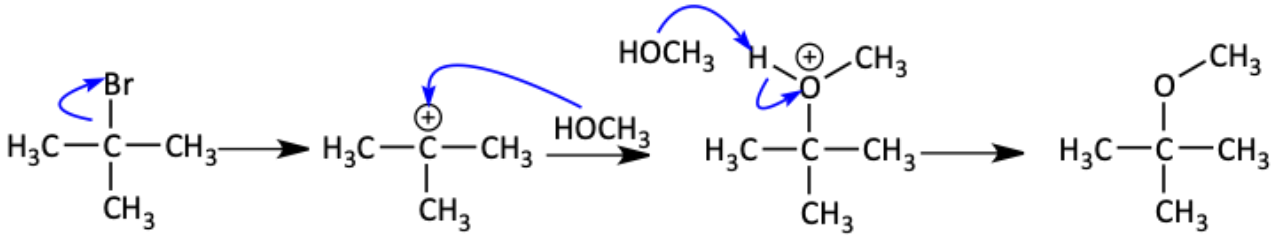
2° alcohol


OH
HI
I
3° alcohol

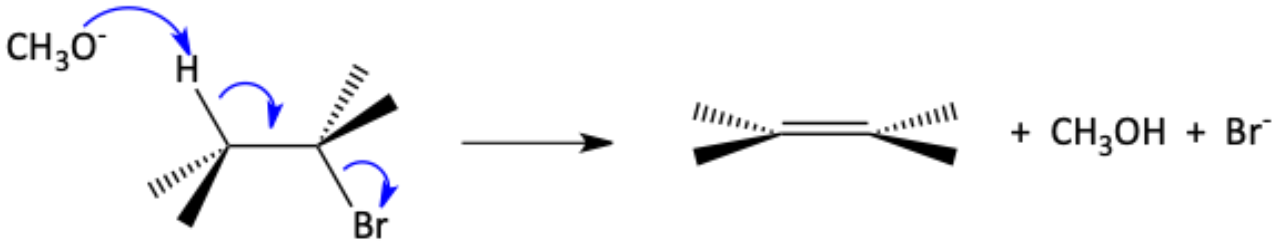
SN2


HO⁻
H
Br
H
H
HO
H
H
+
Br⁻

SN1


Br
H3C—C—CH3
CH3
H3C—C—CH3
CH3
HOCH3
HOCH3
H
CH3
O
H3C—C—CH3
CH3
CH3
O
H3C—C—CH3
CH3

E2


CH3O⁻
H
Br
+ CH3OH + Br⁻