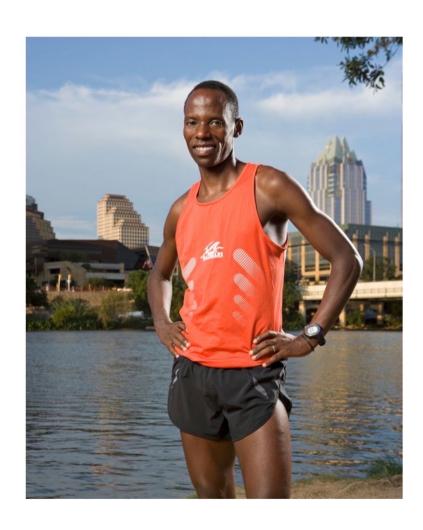
"I believe God gave me another chance to live," Tuhabonye tells PEOPLE in this week's issue. "That's why I'm dedicated to making a difference and preaching peace."





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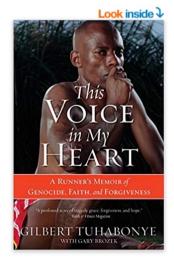
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## This Voice in My Heart: A Runner's Memoir of Genocide, Faith, and Forgiveness Paperback – May

by Gilbert Tuhabonye ~ (Author), Gary Brozek ~ (Author)

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Gilbert Tuhabonye is a survivor. More than ten years ago, he lay buried under a pile of burning bodies. The centuries—old battle between Hutu and Tutsi tribes had come to Gilbert's school. Fueled by hatred, the Hutus forced more than a hundred Tutsi children and teachers into a



Sigh up for the race here choose 5K

Use this code: UTRunsForWater 2022 When studying OChem > Call a NIRRS

Learn each of these things for every

reaction > then you will be able to

predict mechanisms and therefore products

**Nature** of the reaction; what is the starting material/product? (i.e. alkene converted to an alcohol)

Intermediate (or "Important transition state" if applicable) of the reaction, the key to the mechanism (carbocation, halonium ion, etc.)

**Reagents** Learn the exact way to designate the reagents for each reaction

Regiochemistry What is the regiochemistry of addition? (Markovnikov, non-Markovinikov, etc.)

**Stereochemistry** of addition (anti, syn or mixed)

Alkene  $\xrightarrow{HX}$  Haloalkane Carbocation Markovnikov Mixed

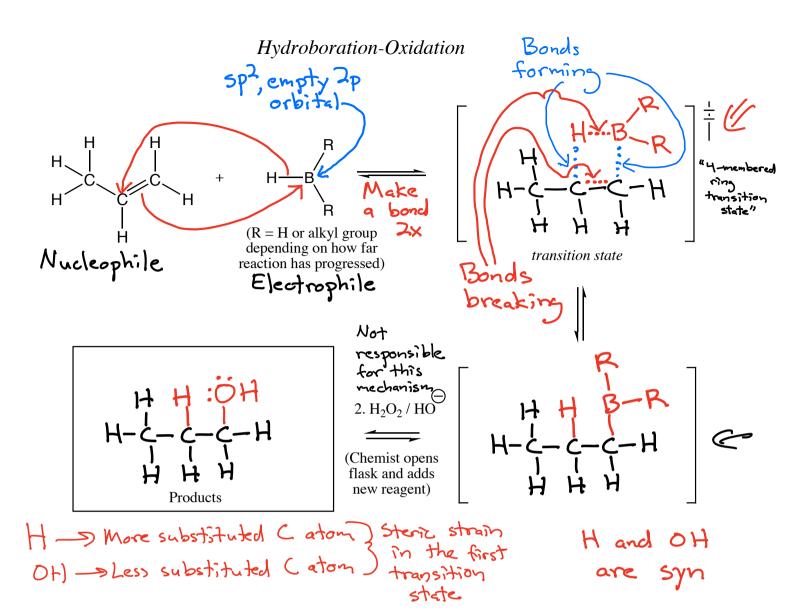
Alkene H20 Alcohol

H2504

(catalytic amount)

Carbocation

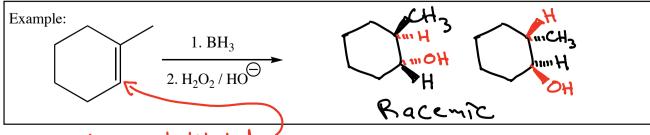
Markovnikov



Summary: The pi bond of the alkene attacks the Lewis acid (electrophik) B atom at the same time a new bond forms between C and H. In 2nd step OH replaces B(R)2. "4-membered ring transition state"

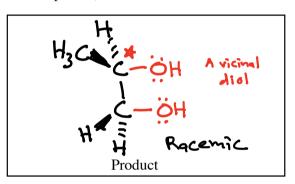
Regiochemistry: Non-Markovnikov

Stereochemistry: 5yh



Less substituted Catom

A cyclic osmate ester

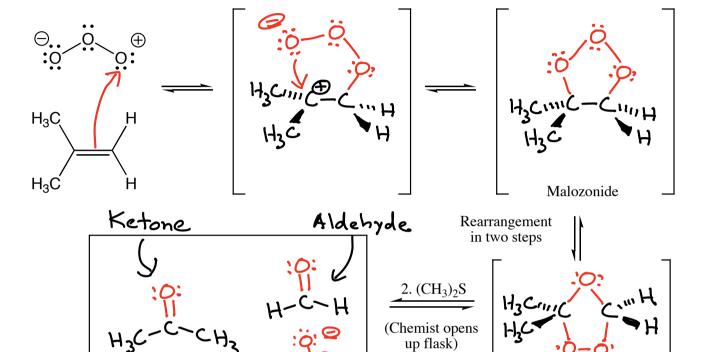


Summary: The mechanism involves a cyclic osmate ester, explaining the syn stereochemistry of addition.

Regiochemistry:	
Stereochemistry: 5 ym	
Example:  1. OsO <sub>4</sub> 2. NaHSO <sub>3</sub> / H <sub>2</sub> O	Racewic

## This breaks C=C bonds !!!

Ozonolysis Partial Mechanism



Summary: Reaction of an alkene with O3 gives a malozonide than an ozonide intermediate (the C=C pi bond then C-C sigma bond is broken). Adding (CH3)2S decomposes the ozonide into ketone and aldehade products Breaks C=C bond!

Ozonide

Regiochemistry: N/A

**Products** 

Stereochemistry: N/A

Stinking Molecules! - We have evolved to avoid spoiled food that would make us sick

products of bacterial breakdown

H2N WH2

Rotten Mammal

H2S

Rotten Eggs

NoH

Bart!

Newtrolize with a base - a aumonity or baking sody to remove the smel)!