

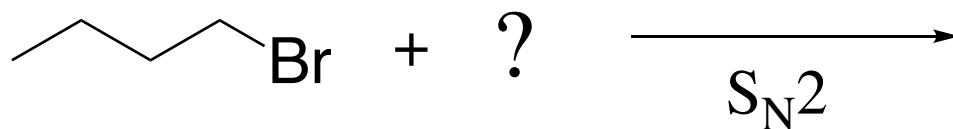
Organic Paranoia

In a dark, dingy dorm room,
Chemistry notes everywhere,
Warm smell of a red bull,
Rising up through the air,
Been studying for three days now,
Beneath a shimmering light,
My head grows heavy and my sight grows dim,
I want to stop for the night.
Could it be 4 AM now?
I hear the tower bells,
And I was thinking to myself
That epoxide chemistry's hell.
I worked on stereochemistry,
Then the "rules of the day,"
I heard voices down the corridor,
Thought I heard them say:

*Welcome to organic paranoia,
Such a scary place,
You see it on my face,
Plenty of room for more organic paranoia,
This time of year,
You can find it here!*

Roadmaps in my memory
Hey this final isn't so bad
No reason to panic
Or even be sad.
Relax says the proctor,
You finished this with ease,
Turn it in any time you like,
Then you are free to leave,
Last thing I remember,
I was running for the door,
I was glad it is over
Won't need to study any more.
And then new voices came calling from far away,
A lot better than the middle of the night,
I heard them say:

*Welcome to organic chem. euphoria
It has all become clear,
I am outta here!
I'm living it up because of organic chem. euphoria
What a nice surprise
I won't need alibis.*



Shape of $\text{S}_\text{N}2$

The club ain't the best place to find nucleophiles
 So the lab is where I go
 Me and my friends in solvent
 Moving fast but reacting slow
 Come over and start up a reaction with just me
 And trust me I'll give it a chance now
 Let's react, stop, put your charge over here
 And then we start to react, and now I'm singing like
 You know I want to make a bond
 Your charge was handmade for a reagent like me
 Come on now, follow my lead
 I'm an electrophile, don't mind me
 Say now let's not talk too much
 Get through solvent and put your electrons on me
 Come on now, follow my lead,
 Come, come on now, follow my lead

I'm attracted to the charge of you
 We push and pull like charges do
 Although my orbitals are falling too
 Come on let's get bonding
 Transition state is coming true
 Time to finish the $\text{S}_\text{N}2$
 Creating a bond brand new
 Come on let's get bonding
 Oh-I-oh-I-oh-I-oh-I
 Come on let's get bonding
 Oh-I-oh-I-oh-I-oh-I
 Come on let's get bonding
 Oh-I-oh-I-oh-I-oh-I
 Come on let's get bonding
 We need to make a bond brand new
 Come on now let's $\text{S}_\text{N}2$.

Vladimir Markovnikov

Alkenes are the very best, their reactions are insane
Alcohols are no match, and neither are alkanes
Electrophiles hit alkenes, without a lot of pain
Use HBr and HCl to make haloalkanes

But then I get confused as to what we're going to see
Which carbon gets which atom? Call it regiochemistry
I hear there's a brilliant man who gave us clarity
What's his name? What's his name? I have to find the key

Well the word got around, they said "this guys insane, man!"
A Russian dude they say, lived way back in a far away land
Got his education and didn't forget from whence he came, man
The world's got to know his name. What's his name, man?

Vladimir Markovnikov
His name is Vladimir Markovnikov
And there's just one thing he did explain
Which carbon gets, the halogen?

The key to understanding products of hydrohalogenation
Is that a carbocation is formed by the HX protonation
Stabilize the plus charge with overlapping orbitalization
The official term of course, is hyperconjugation

The more stable cation forms of lower energy
The halide ion comes in and reacts there naturally
It's the one with more carbons, that's maybe two or three
So X is on more substituted carbons don't you see

Vladimir Markovnikov
His name is Vladimir Markovnikov
And there's just one thing that he did explain
Which carbon gets, the halogen?

So don't be throwing away his rule
Don't be throwing away his rule
Hey yo, its not that convoluted
Halogen on the carbon that's more substituted
So don't be throwing away his rule

Vladimir Markovnikov
His name is Vladimir Markovnikov
And there's just one thing he did explain
Which carbon gets, the halogen.

So don't be throwing away his rule
Don't be throwing away his rule
Hey yo, its not that convoluted
Halogen on the carbon that's more substituted
So don't be throwing away his rule

Vladimir Vasilyevich Markovnikov



We All Love Organic Chemistry

In the town where I was born,
Lived a man of chemistry.
And he told us of his life
In the organic laboratory.

Making molecules to fight disease
Coming up with their syntheses.
So we sit in OChem 1
Learning organic chemistry.

Refrain:

*We all love organic chemistry
Synthetic chemistry
Molecules with "C"
We all love organic chemistry
Synthetic chemistry
Molecules with "C"*

All our friends think we're a bore
Our grade point averages begin with 4.
But we await graduation day
To work in lab for meager pay.

But its OK, who else can say
They're curing cancer or fighting AIDS.
We hope that you in OChem 1
Respect organic chemistry

Refrain:

*We all love organic chemistry
Synthetic chemistry
Molecules with "C"
We all love organic chemistry
Synthetic chemistry
Molecules with "C"*