THE TEACHING REVOLUTION

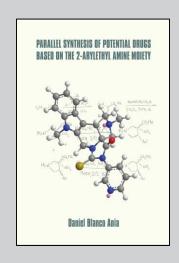
WOUDSCHOTEN CHEMIE CONFERENTIE 2020

Daniel Blanco Ania

Radboud University

6-11-20

ONCE UPON A TIME...



1995

2009

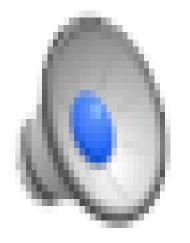
ACADEMIA BLANCO Química Orgánica

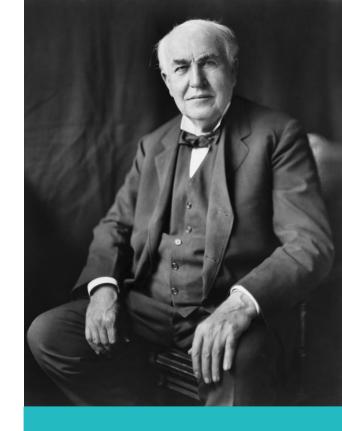


2019



"I believe that the motion picture is destined to revolutionize our educational system, and that in a few years it will supplant largely, if not entirely, the use of textbooks"





Thomas Edison

1922

1930's



























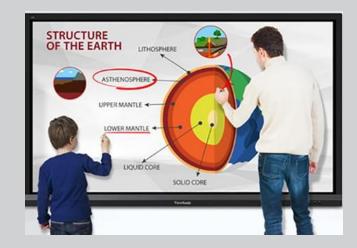






1980's

2000's



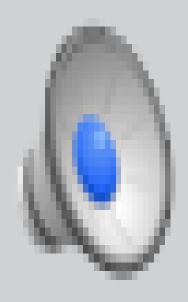


1950 Woudschoten Chemie November 6th, 2020

What Do You Think Is the Main Reason Why this Revolution Has Not Taken Place?

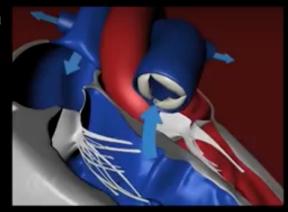


How the Heart Works





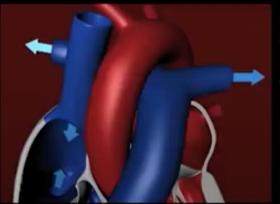
1. The right atrium receives oxygen rich blood from the lungs.



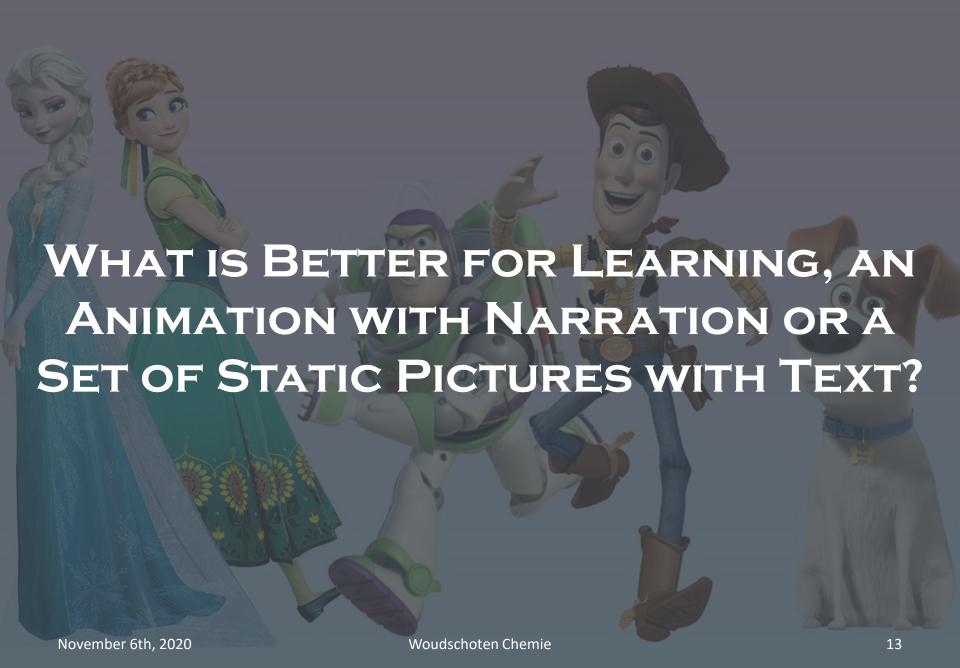
3. The blood is squeezed and ejected into the pulmonary artery.



2. The blood is pumped into the right ventricle through the mitral valve.



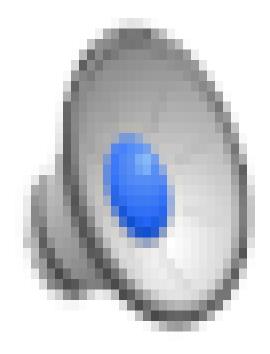
4. The pulmonary artery splits, sending blood to each lung.





CALL ME AN ARTIST BECAUSE I DRAW ATTENTION





How Can We Motivate Students (and Make a Topic Interesting)?



2 CLEAR OBJECTIVES ©

3 HIGH GOALS



4 FEEDBACK



5 RAPPORT



6 MAKE IT FUN



COMMITTED

KNOWLEDGEABLE

PASSION

ENTHUSIASM

PERSONALIZE

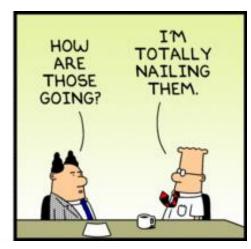
ROLE MODEL



CLEAR OBJECTIVES







When you finish this course, you should be able to...

Develop as a person

Learn and practice browsing skills

QUESTIONS

- What is the title of the symphonic poem of the beginning?
- Which movie included this symphonic poem in its soundtrack?
- Which is the name of the movie where they talk about hexavalent chromium?
- How many carbon-to-carbon hydride transfer reactions can you think of?



SPECIFIC

MEASURABLE

ATTAINABLE

REALISTIC

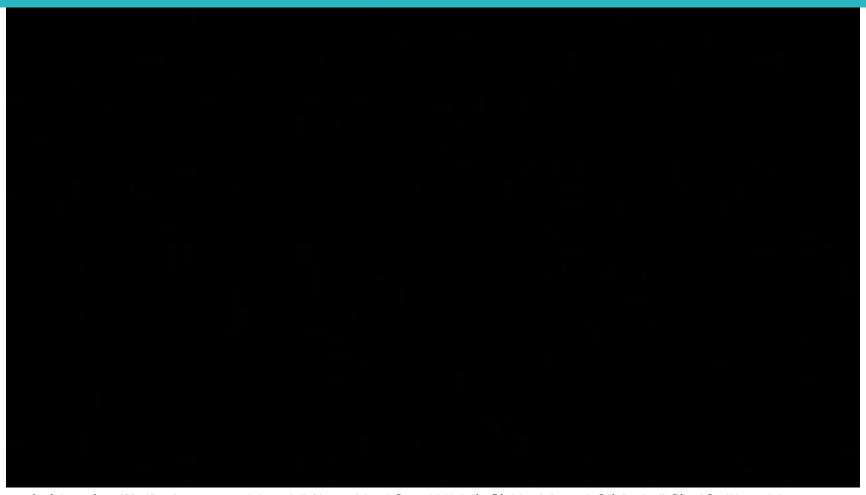
HIGH GOALS







REDUCTIVE AMINATION



IRA ENTAL PROJECT PROJ tenvitt tak plast and proportion of the second control of the seco m Sth sprompthatta rasifoda nite ite in the interior is the interior in the in Woudschoten Chemie

Wawi tube furnaces 28

DISCOVERY OF PHOSPHORUS

In 1669, Hennig Brand was looking for the **philosopher's stone** by boiling his own urine

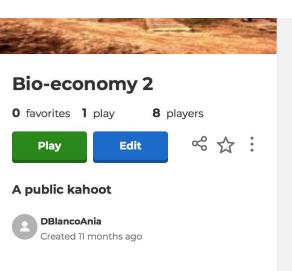


Hennig Brand (1630-1692)

After days of heating up liters of stagnant pee, he managed to isolate a white waxy solid.

After dark, he observed that this new substance glowed with an eerie green light. He called it "phosphorus" (light bearer)

Kahoot!



2 - Quiz

What is the main composition of biomass?



3 - True or false

Incorporation of heteroatoms is the main focus of the generation of commo...



4 - True or false

Elimination of heteroatoms is the main focus of the generation of bio-based ...



5 - Quiz

What is the main composition of biogas?

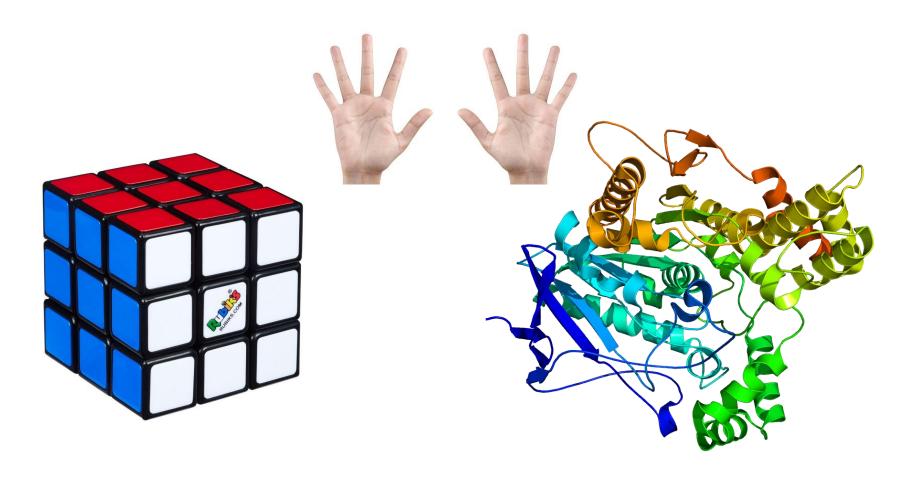


6 - Quiz

What is the main composition of syngas?



CHIRALITY



AND CORONAVIRUS CAME ALONG... CAN I ADAPT ALL THIS TO ONLINE TEACHING?





2 CLEAR OBJECTIVES @



3 HIGH GOALS



4 FEEDBACK



5 RAPPORT



6 MAKE IT FUN









2 CLEAR OBJECTIVES ©





HIGH GOALS





4 FEEDBACK





5 RAPPORT





6 MAKE IT FUN





TEACHING REVOLUTION?

Is Online Education the Future?

