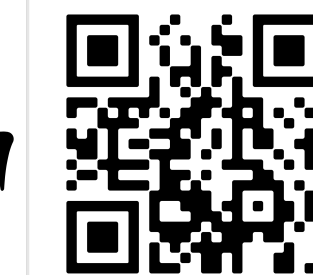


# Eletrôquímica

alexquimica.com



## Pilha de Daniell

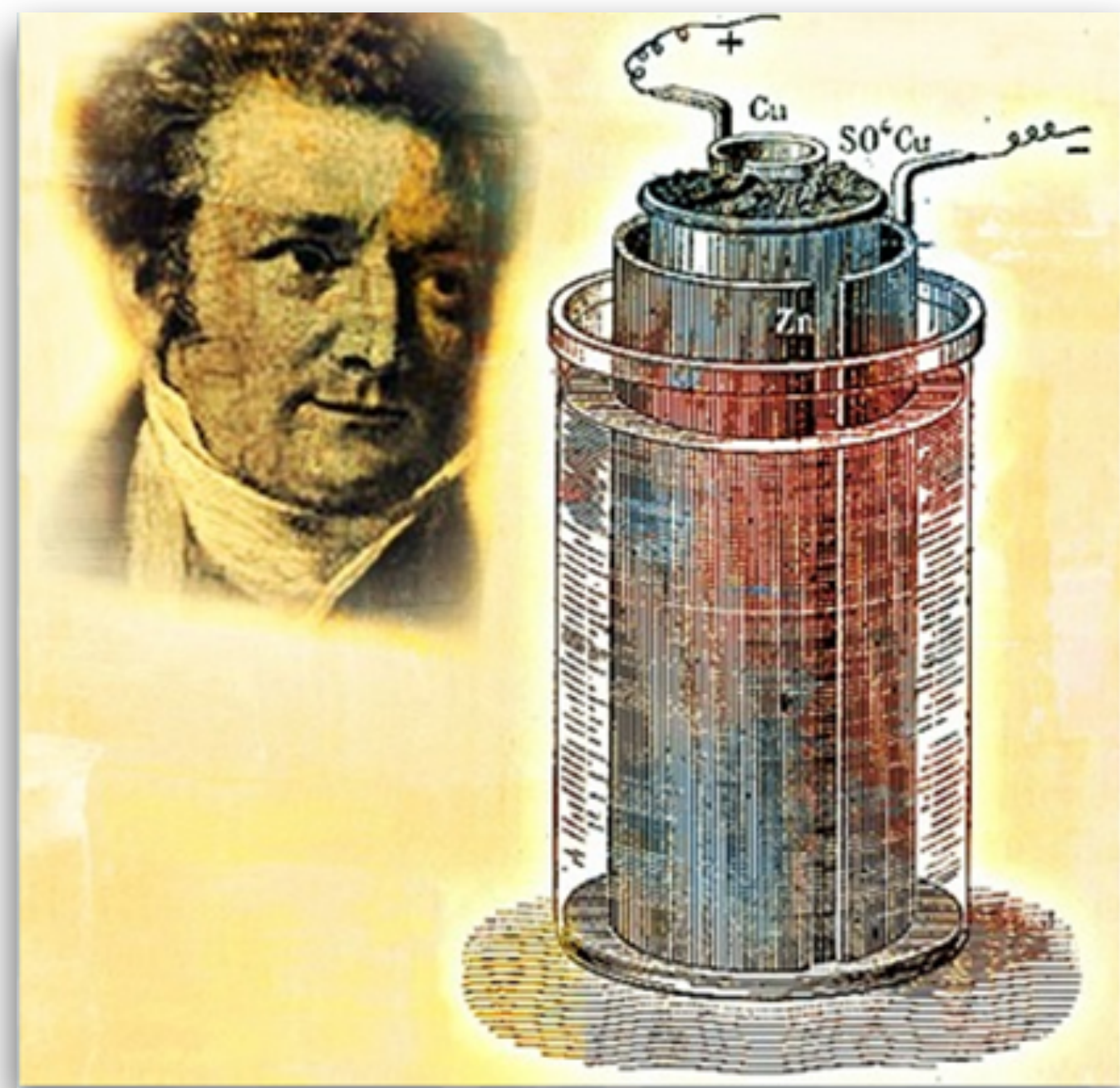


acesse o canal

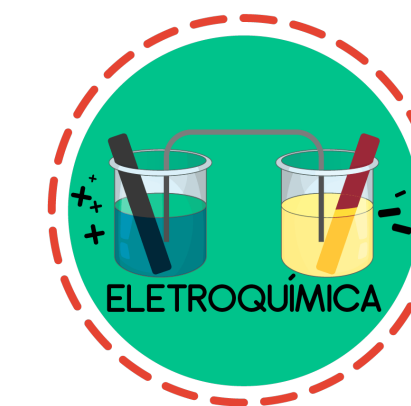


Prof: Alex





# Pilha de Daniell



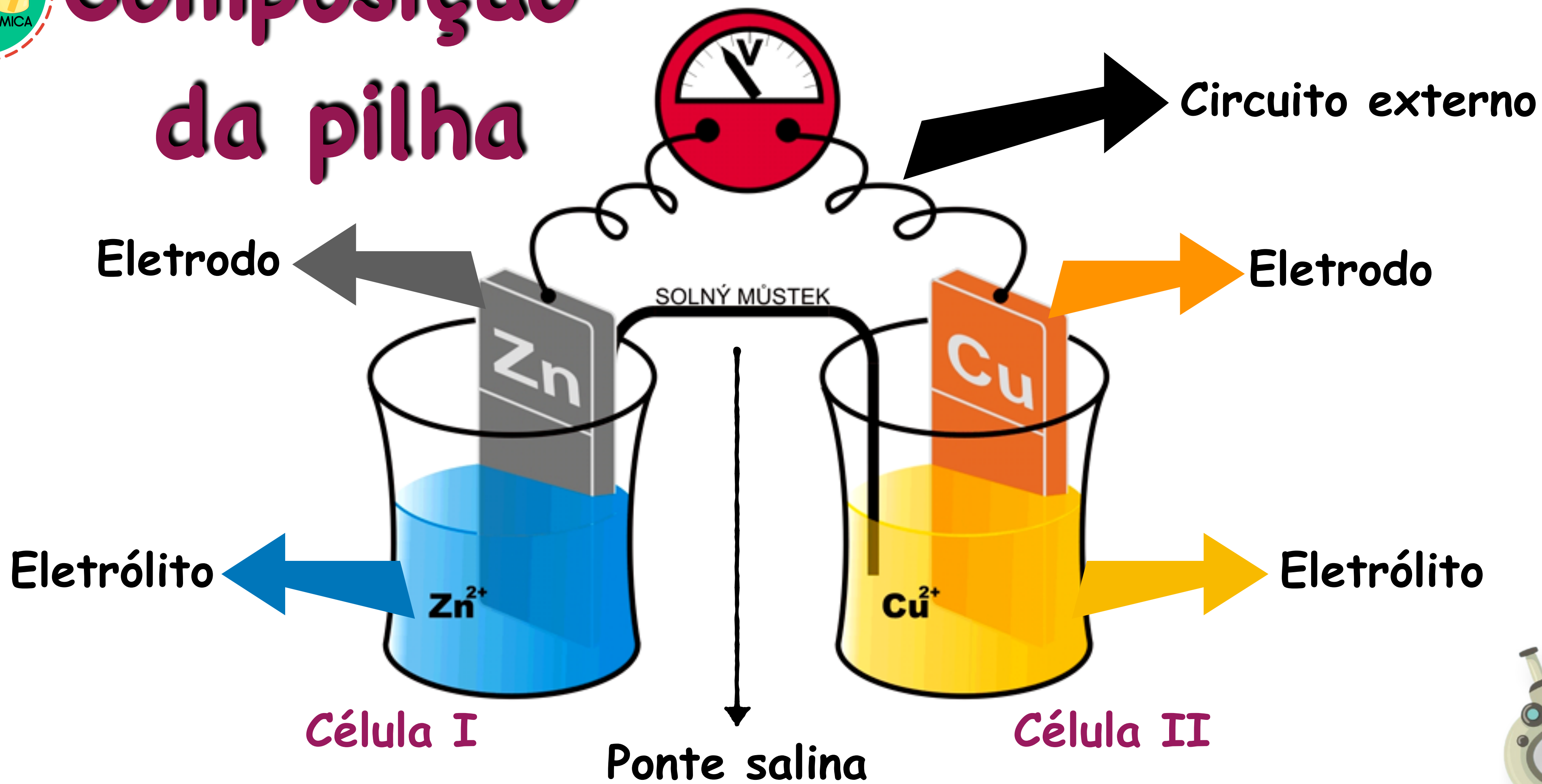
*Em 1836, o químico e meteorologista inglês John Frederic Daniell construiu uma pilha diferente de Volta, substituindo as soluções ácidas por soluções de sais.*

John Frederick Daniell construiu uma pilha com eletrodos de cobre e zinco, mas cada eletrodo ficava em uma cela individual, o que aumentava a eficiência da pilha, pois ela possuía um tubo que ligava as duas cubas, este tubo foi chamado de **ponte salina**. Esta pilha ficou conhecida como pilha de Daniell.

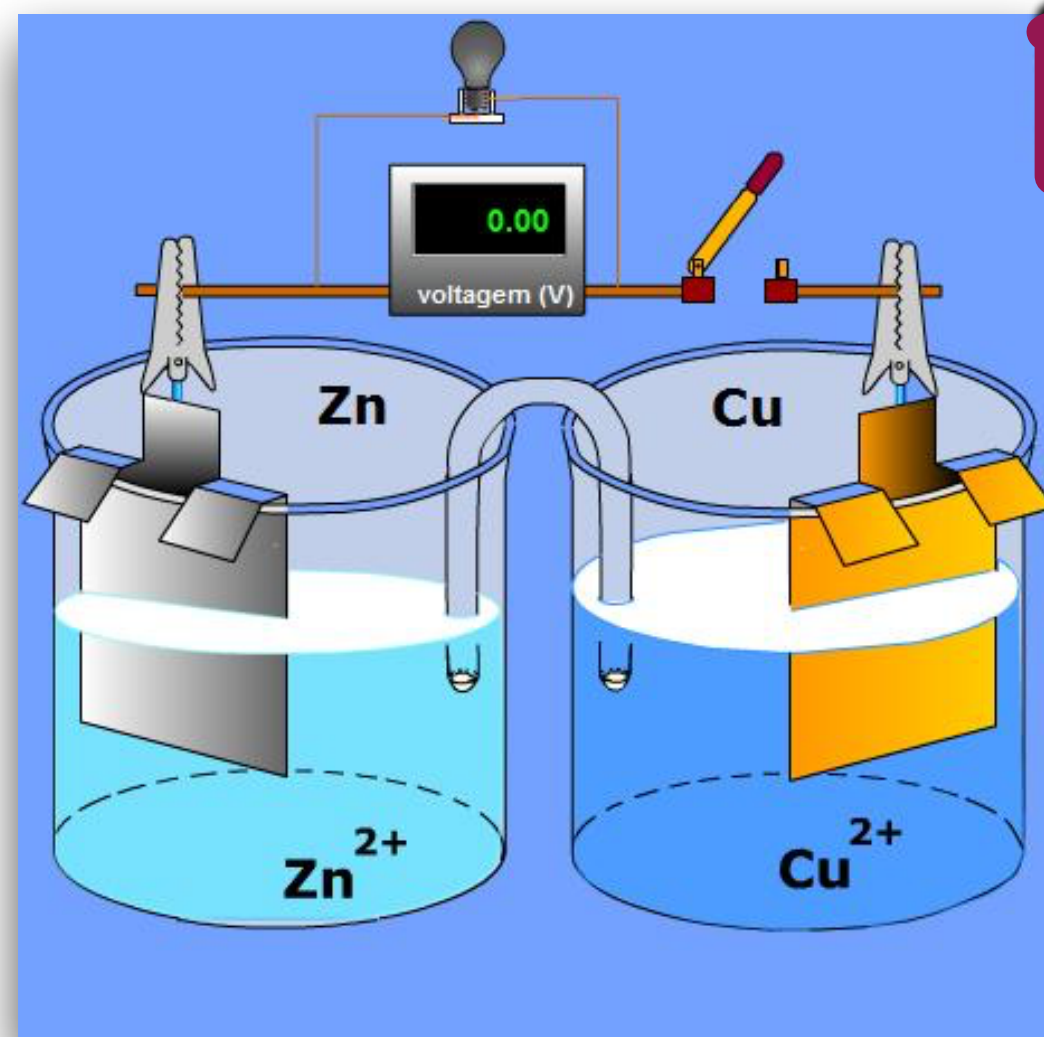




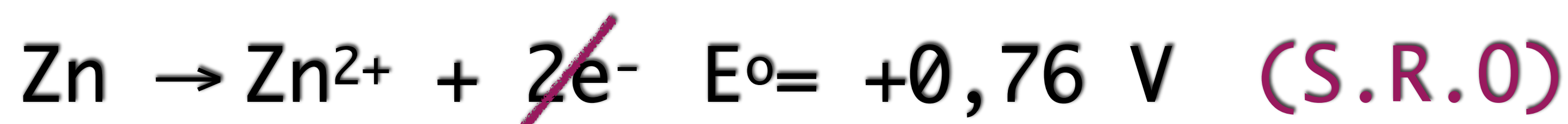
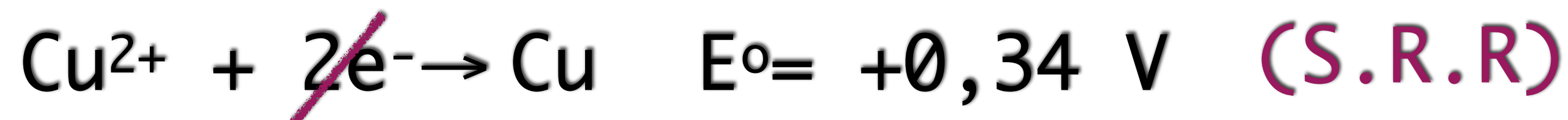
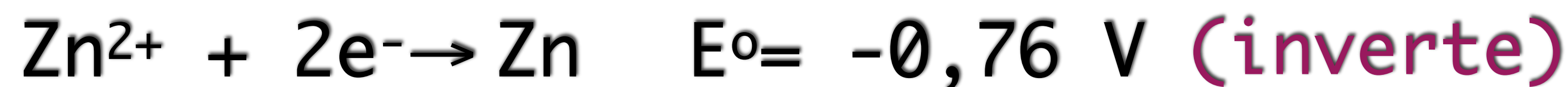
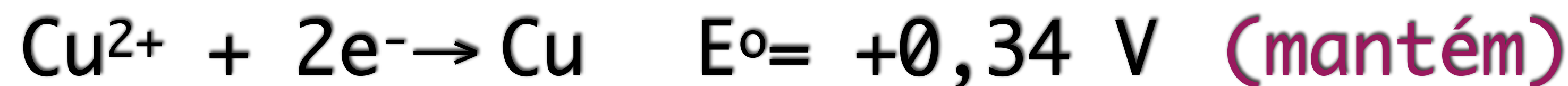
# Composição da pilha



# Equacionamento da pilha



DADOS:

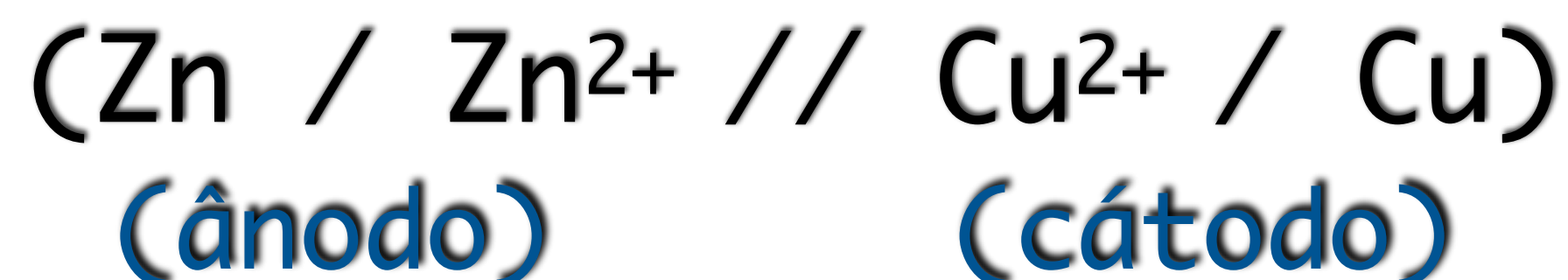


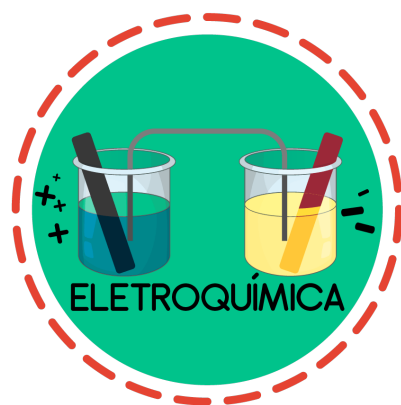
Equação

global:

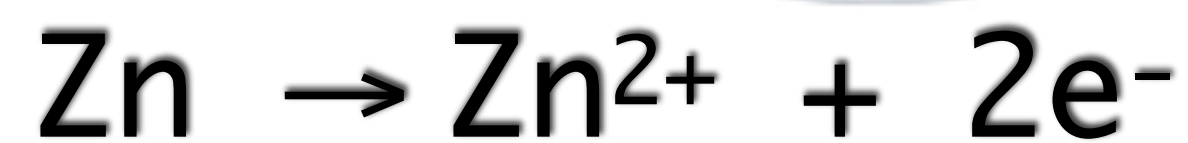
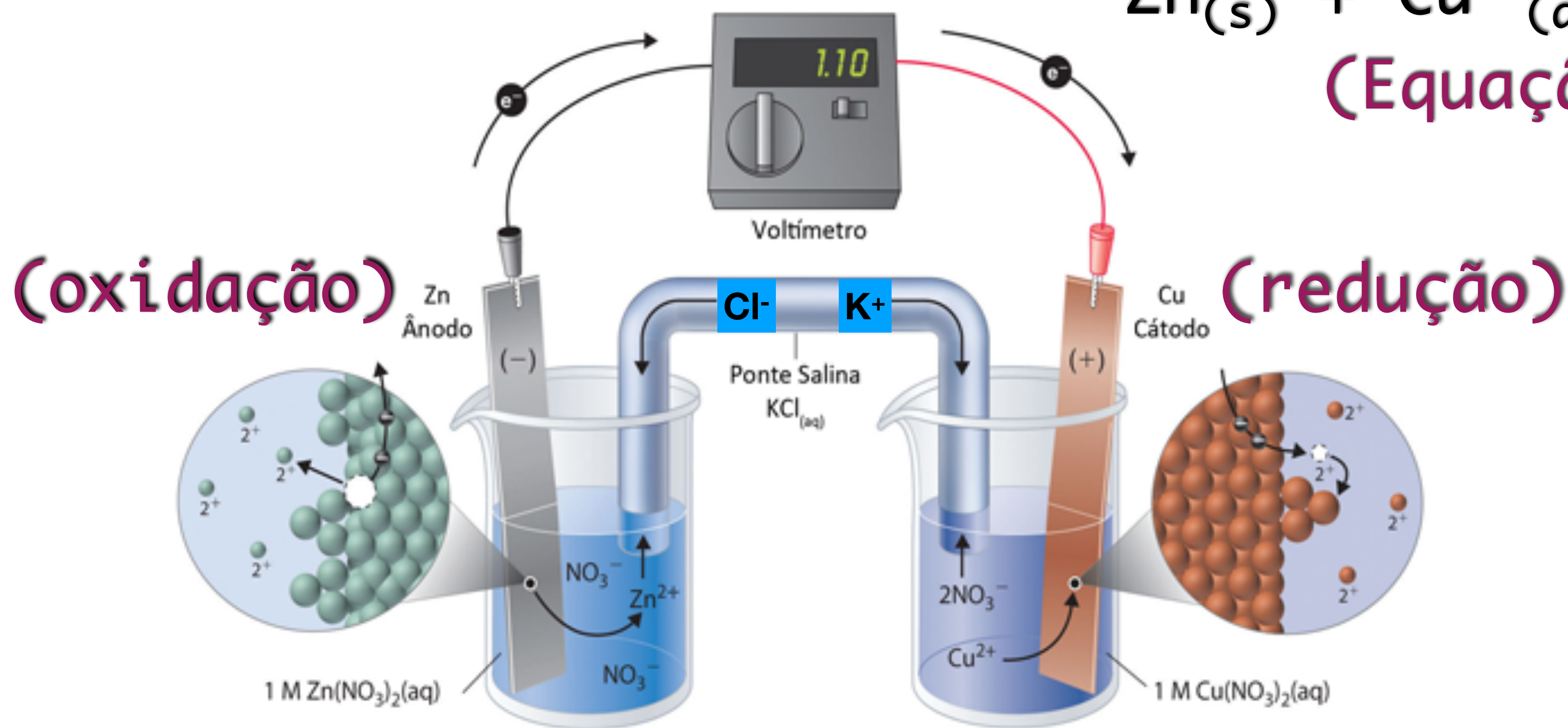
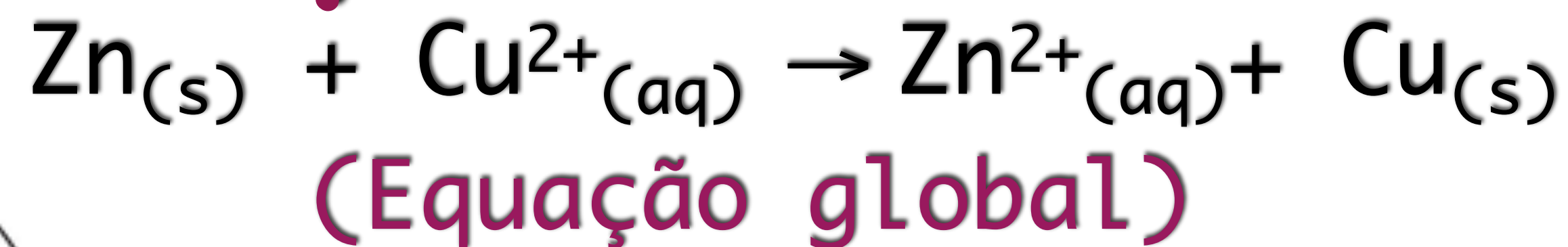


Representação IUPAC para a pilha:





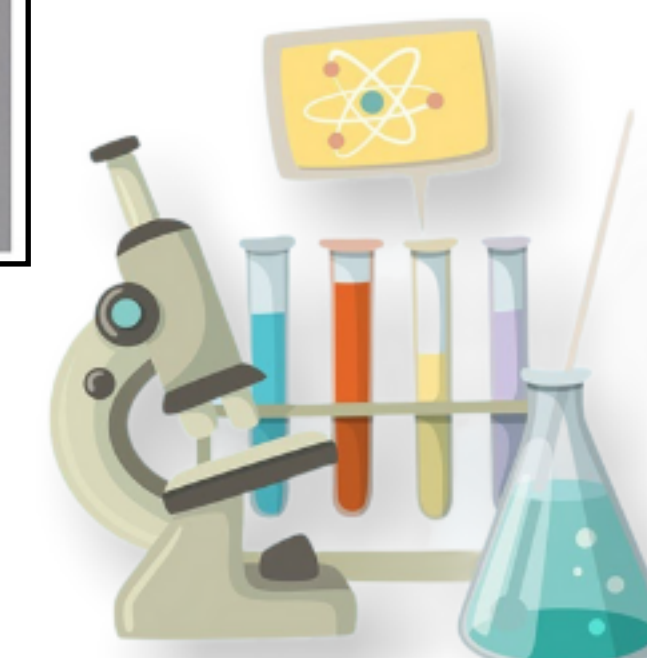
# Funcionamento da pilha

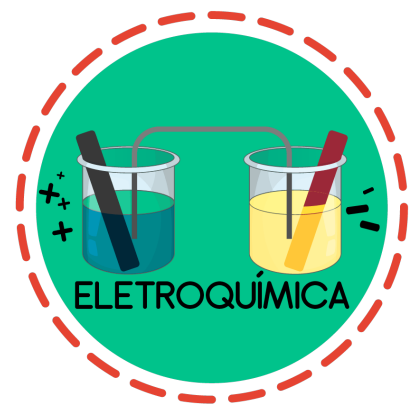


Aumenta a concentração de cátions

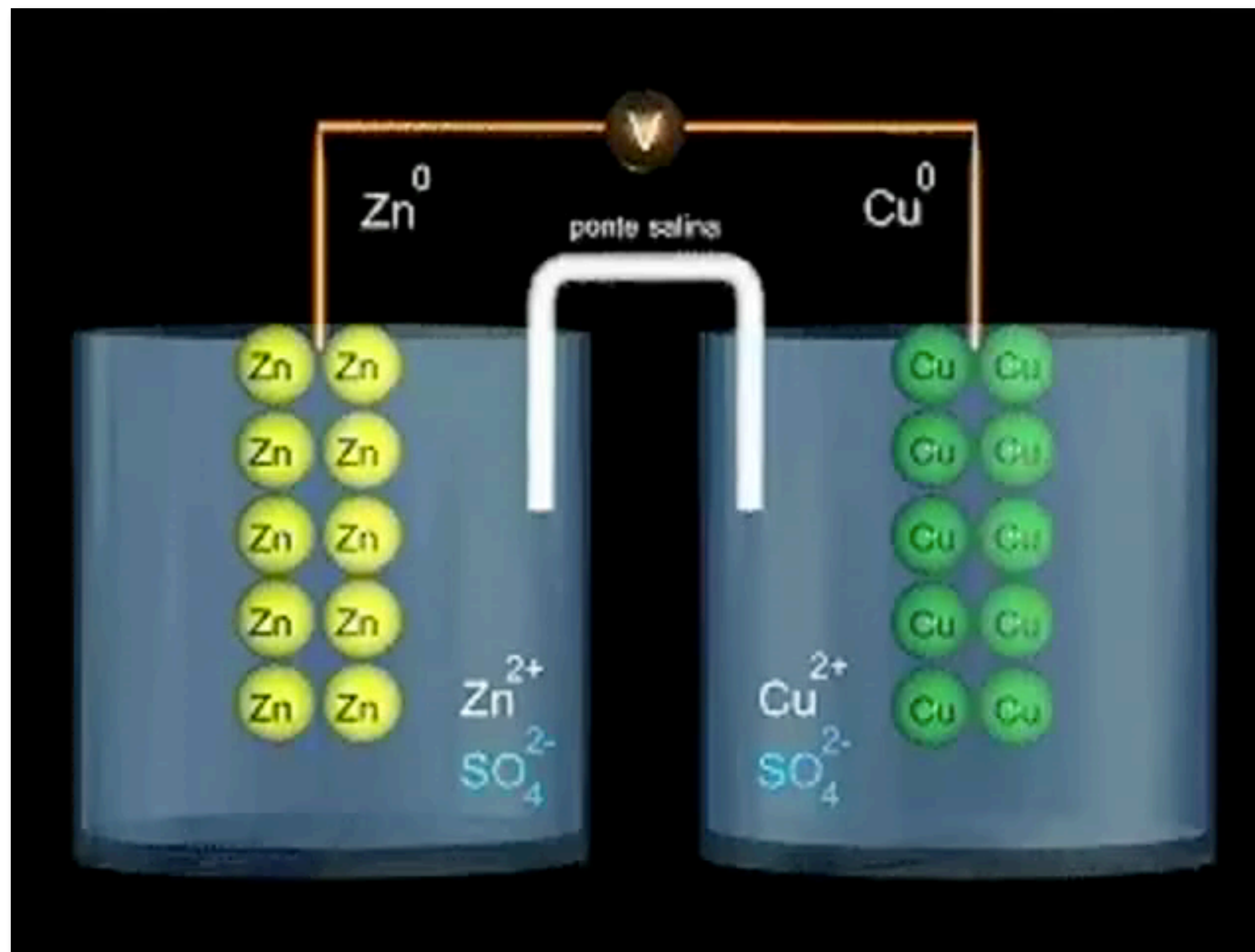


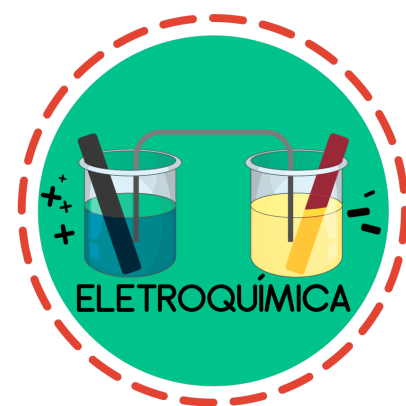
Diminui a concentração de cátions



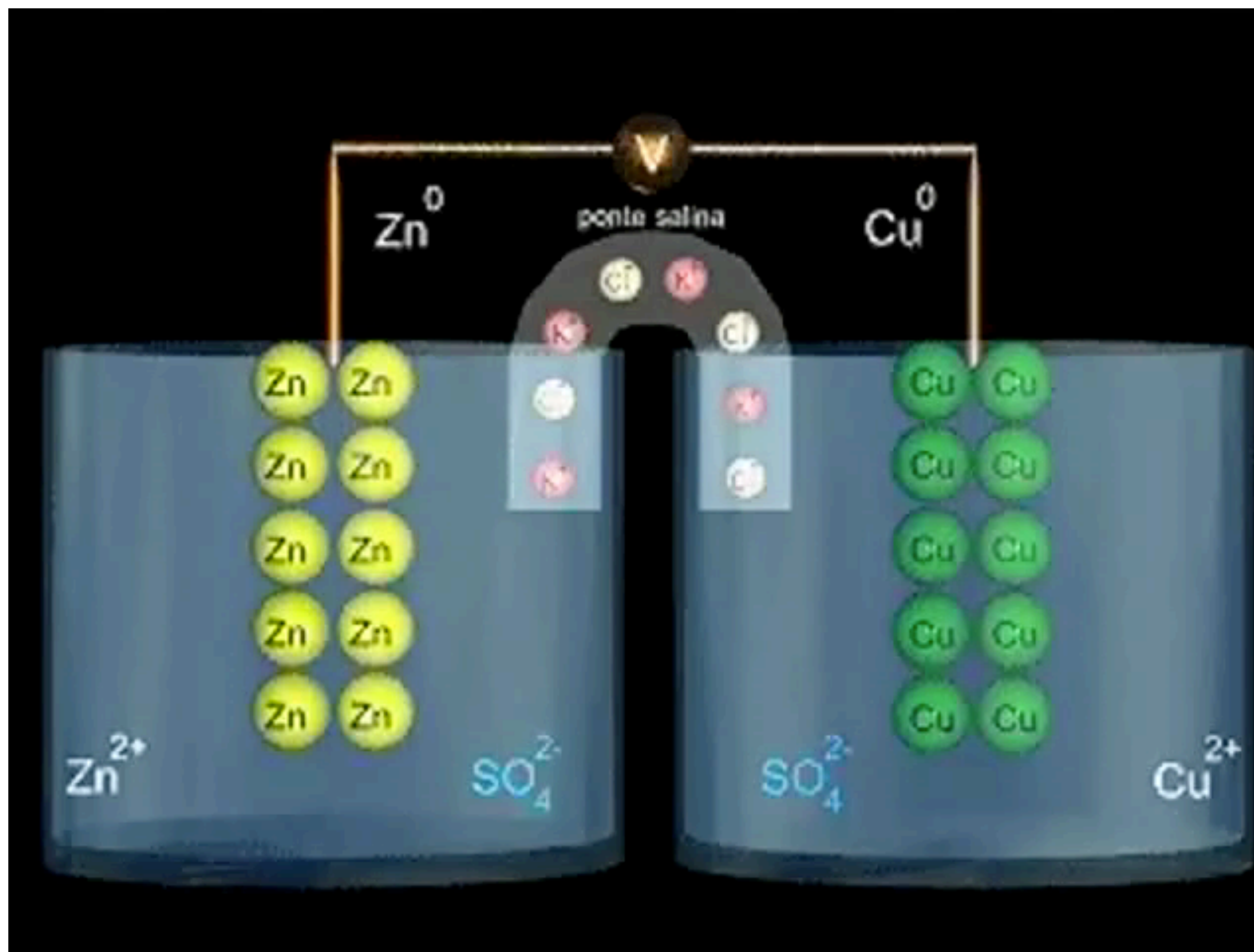


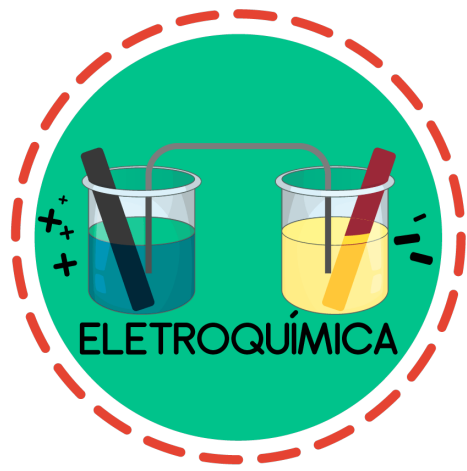
# Funcionamento da pilha



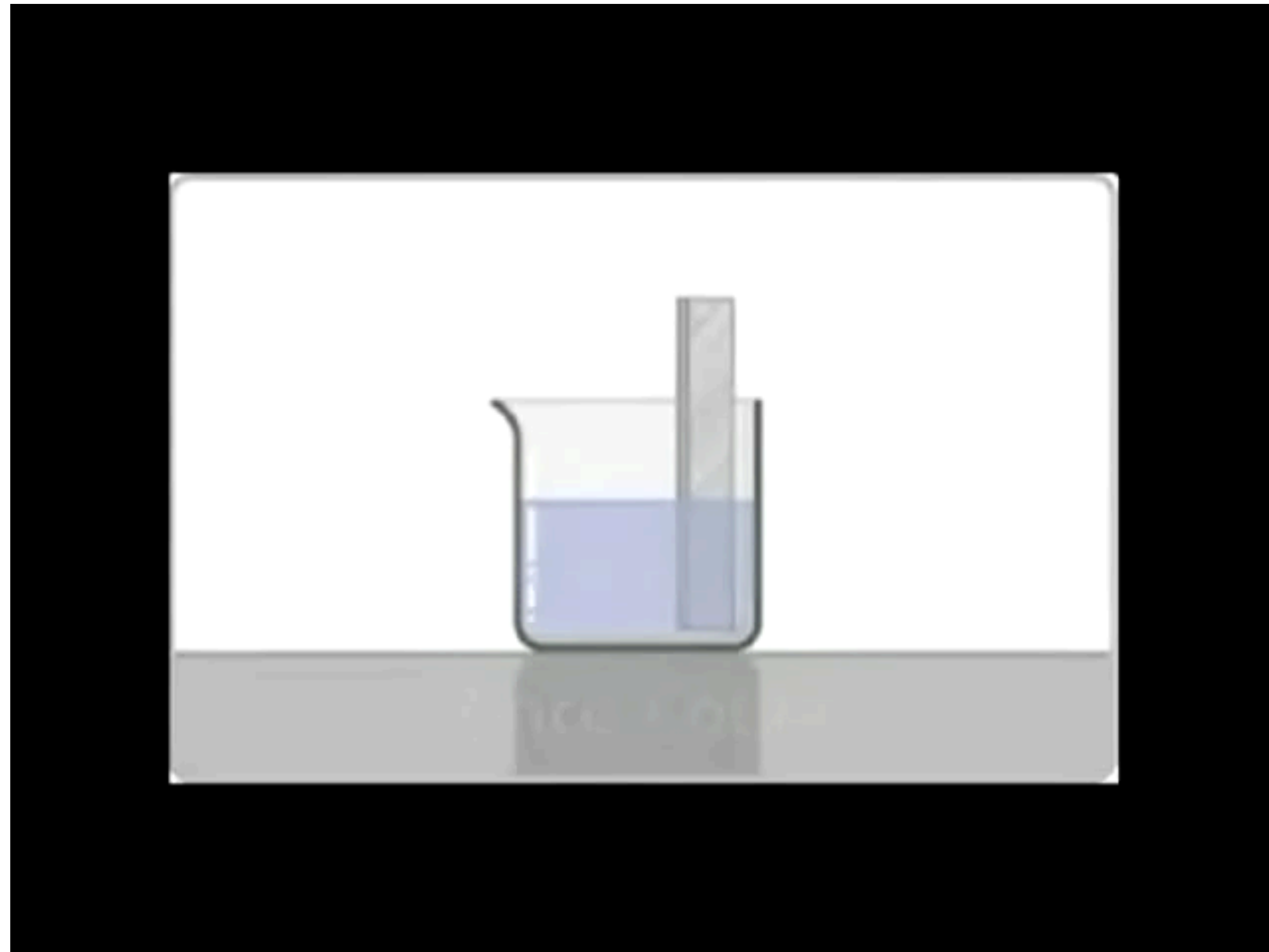


# Funcionamento da ponte salina





# Revisão da Pilha de Daniell

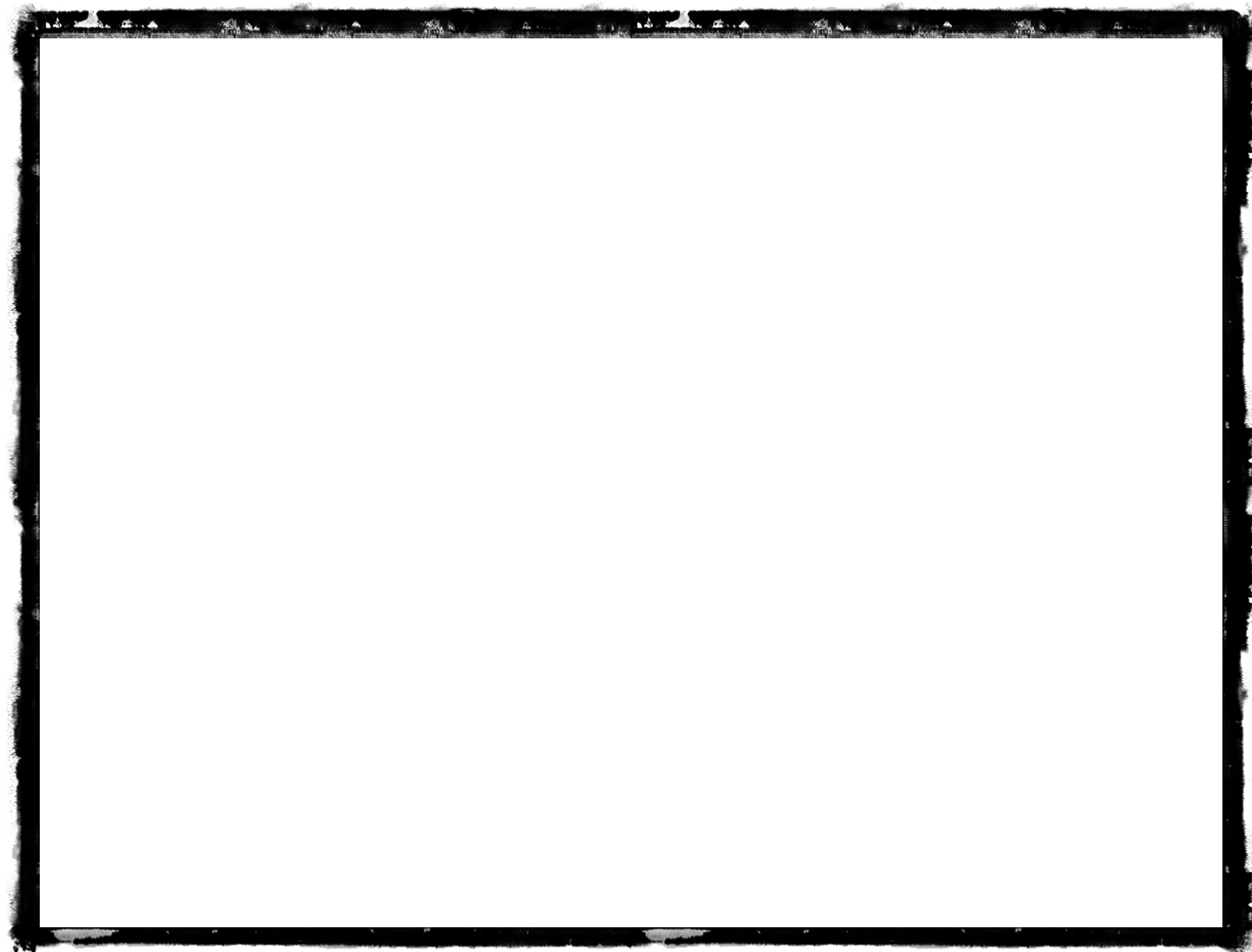






# Revisão da Pilha de Daniell

(Inglês)



Prof: Alex