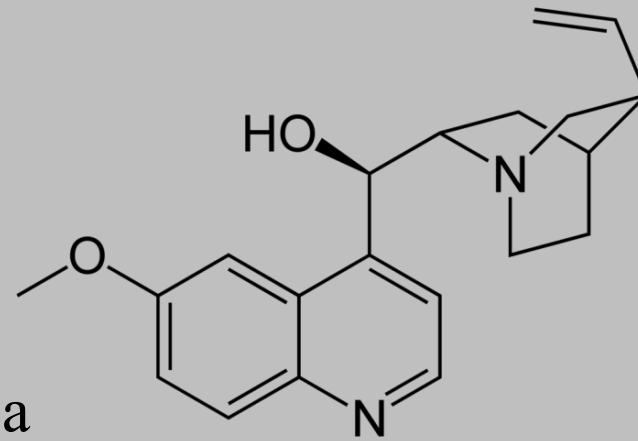


Kinin – ?

- kínafa kérgéből
- malária ellen
- fluoreszcens: UV-fény gerjeszti, majd visszahullva az alapállapotba látható fényt sugároz ki

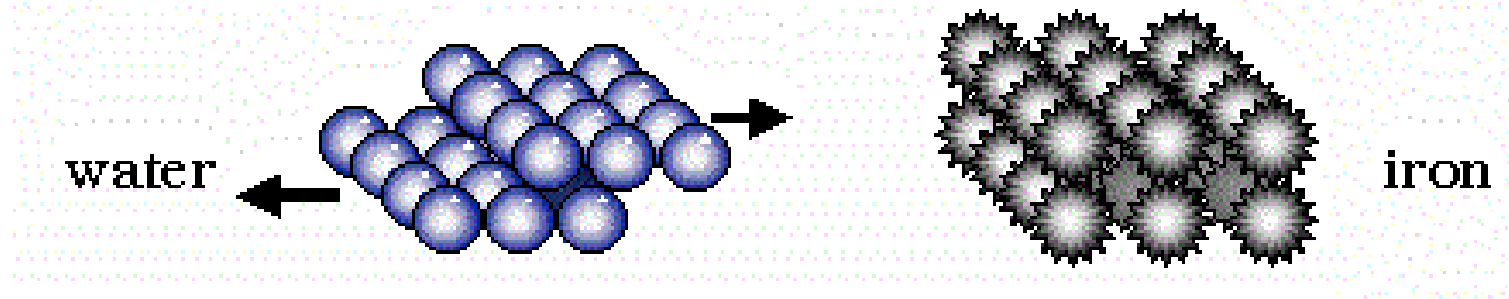


olvadás
szemléltetése!

diffúzió – !



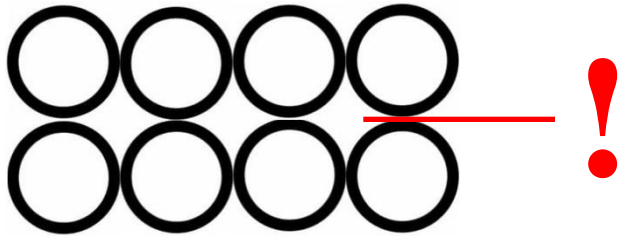
Démokritosz (Kr. e. 400 körül) atoms determine properties



Arisztotelész

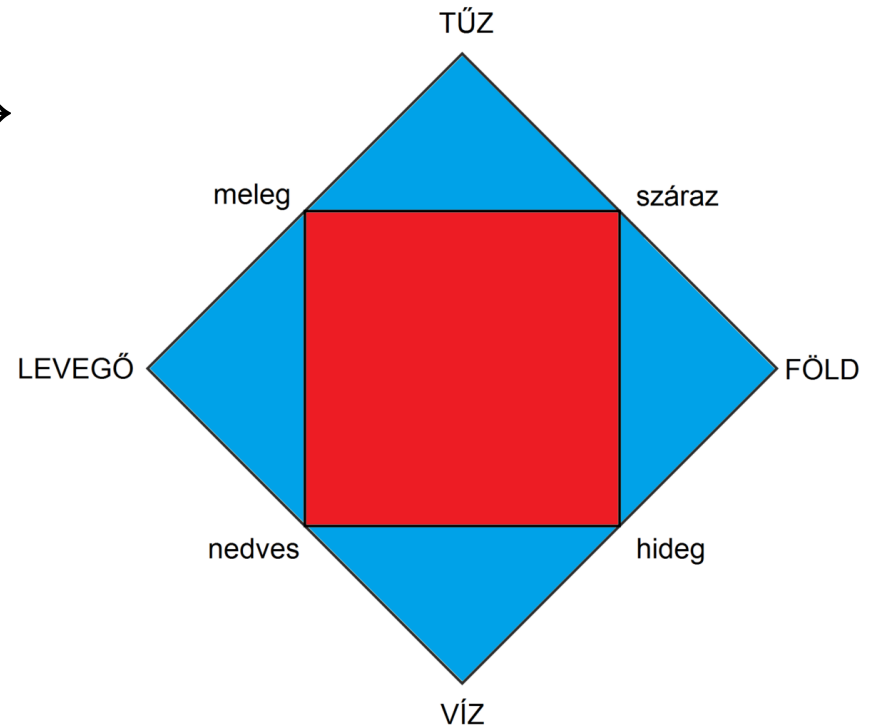
(Kr. e. 350 körül)

→ horror vacuui – ?



ez lehetetlen, hiszen az anyag kontinuuus

→



John Dalton (1800 körül)

Dalton:
atoms determine composition

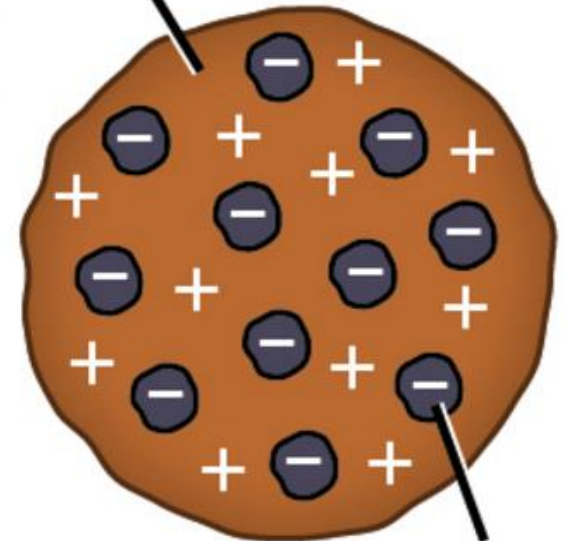


(egyik) bizonyíték: diffúzió

Joseph John Thomson (1897) →

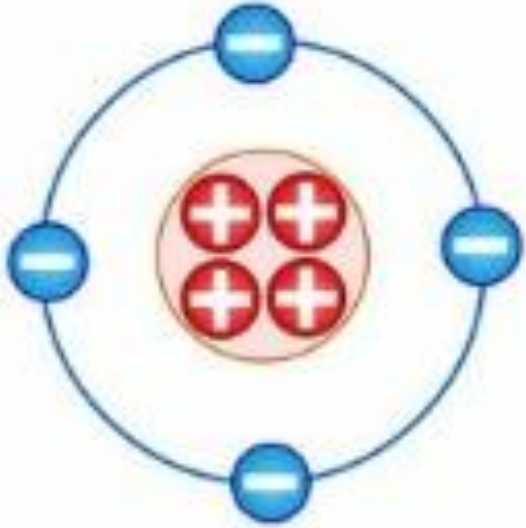


Positively charged matter

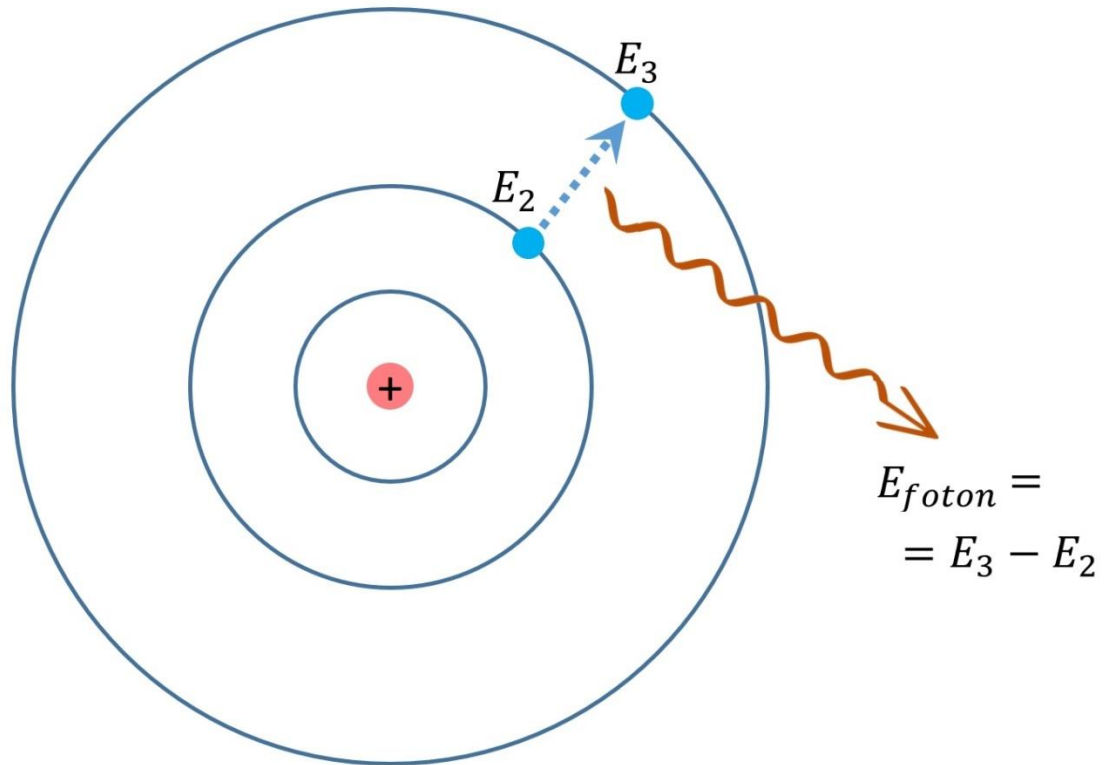


Electron

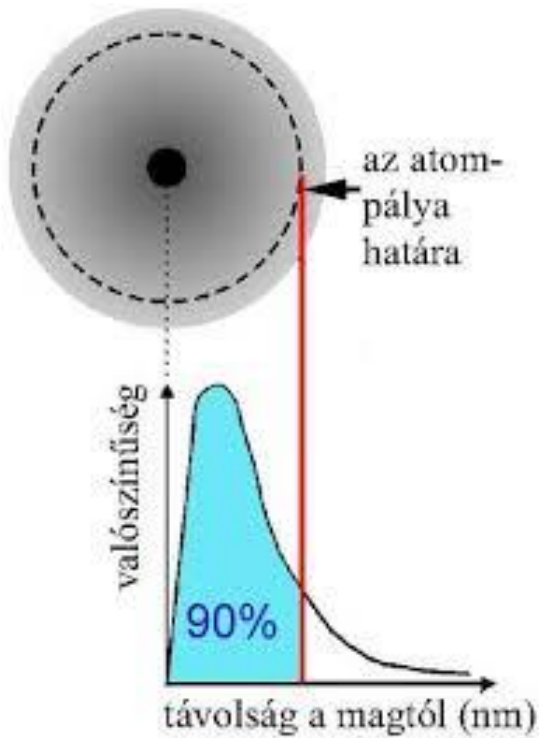
Ernest Rutherford (1911)



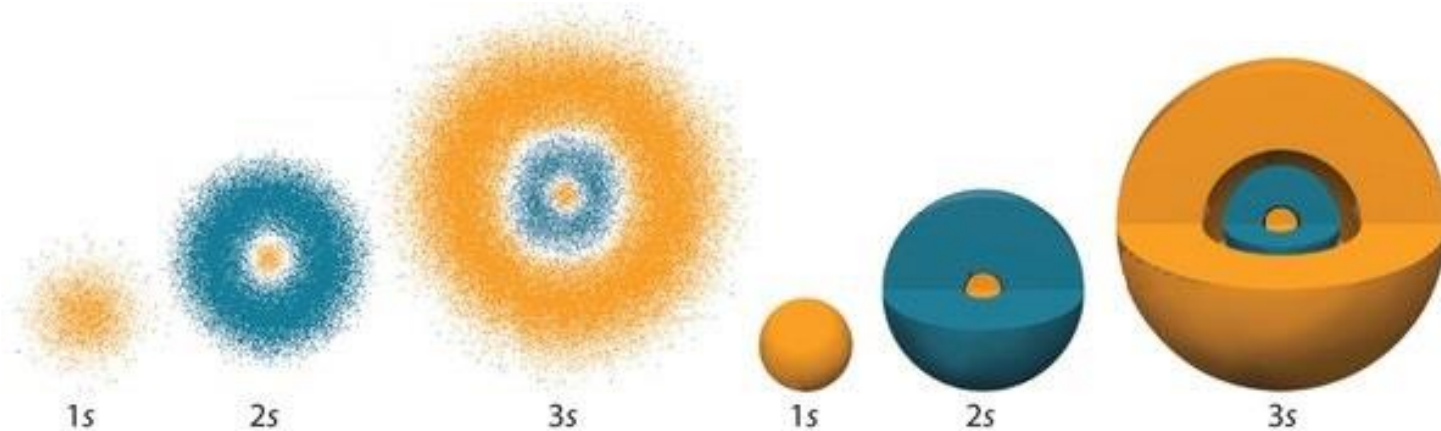
Niels Bohr (1913)



Heisenberg, Schrödinger (1920)
→ kvantummechanikai atommodell

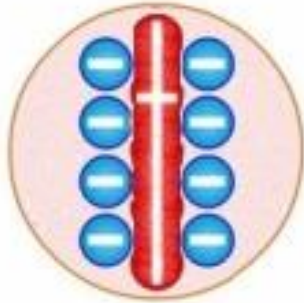


atompálya – ?

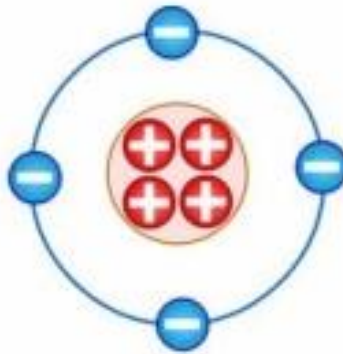




1800
John
Dalton



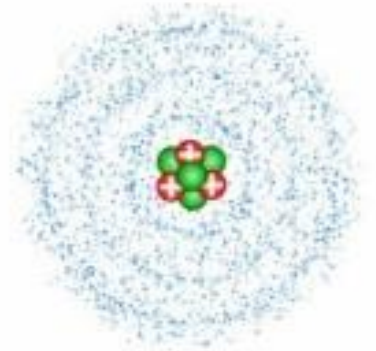
1900
J.J
Thomson



1910
Ernest
Rutherford



1913
Niels
Bohr



1926
Erwin
Schrodiner