

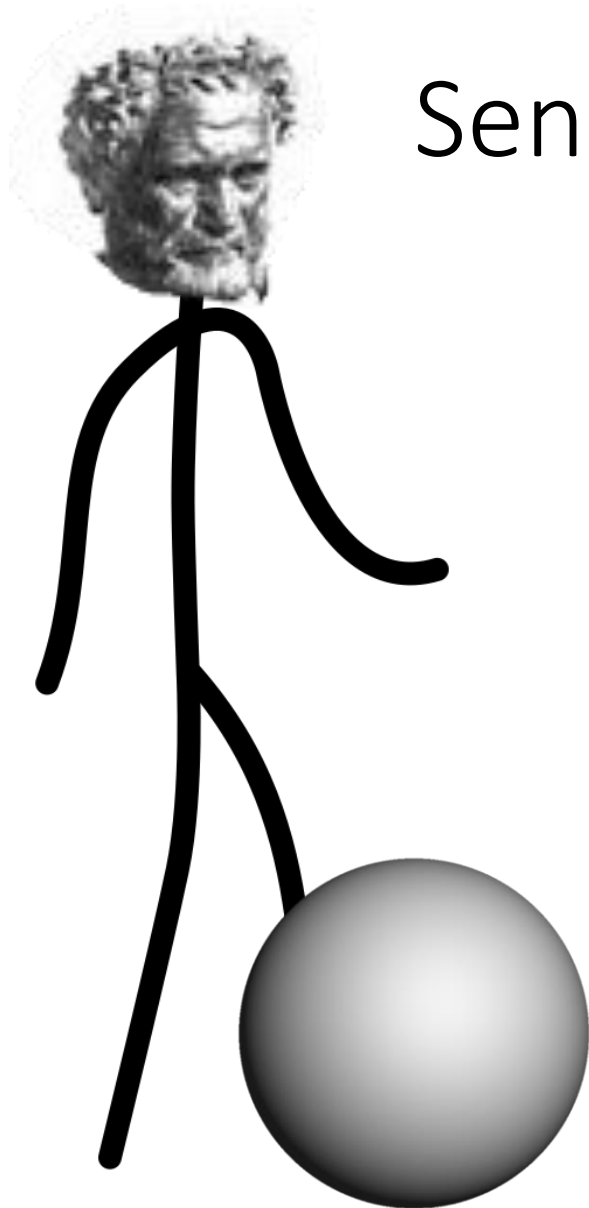


ANTRA

MUMS  
JĀPARUNĀ PAR **RADIOAKTIVITĀTI**



# Seno grieķu atoma modelis

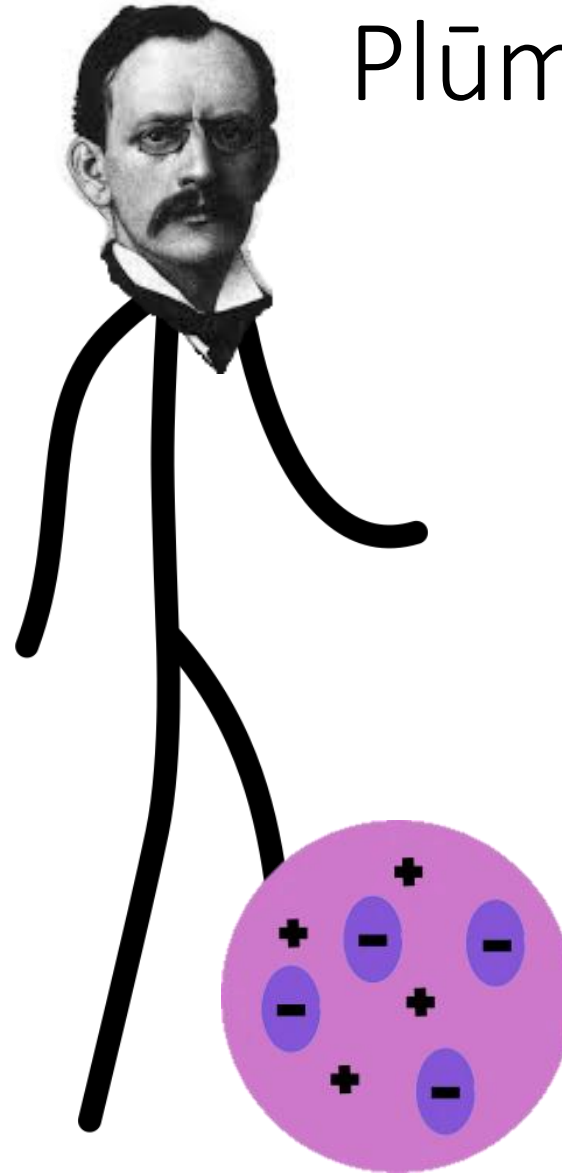


kā lodītes

- Nesadalāmi
- Neiznīcināmi
- Cieti, bet homogēni
- Neredzami
- Atšķirīgi izmēros un masā

# Plūmju pudiņa modelis

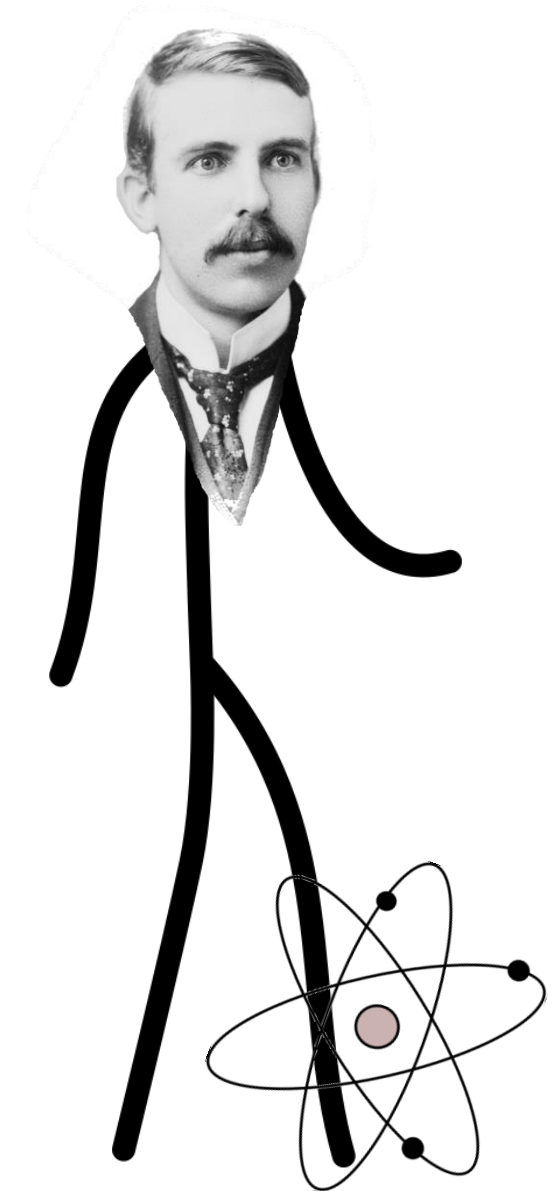
- Elektro neitrāls
- Diezgan labi aprakstīja parādības
- Pozitīvo lādiņu neuzskatīja par daļiņām

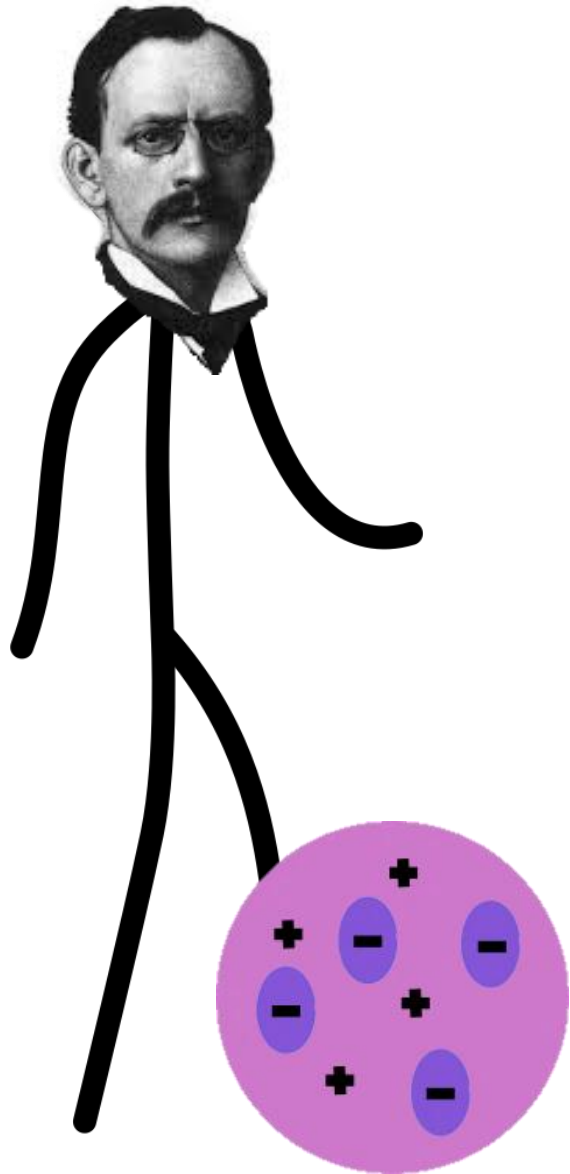
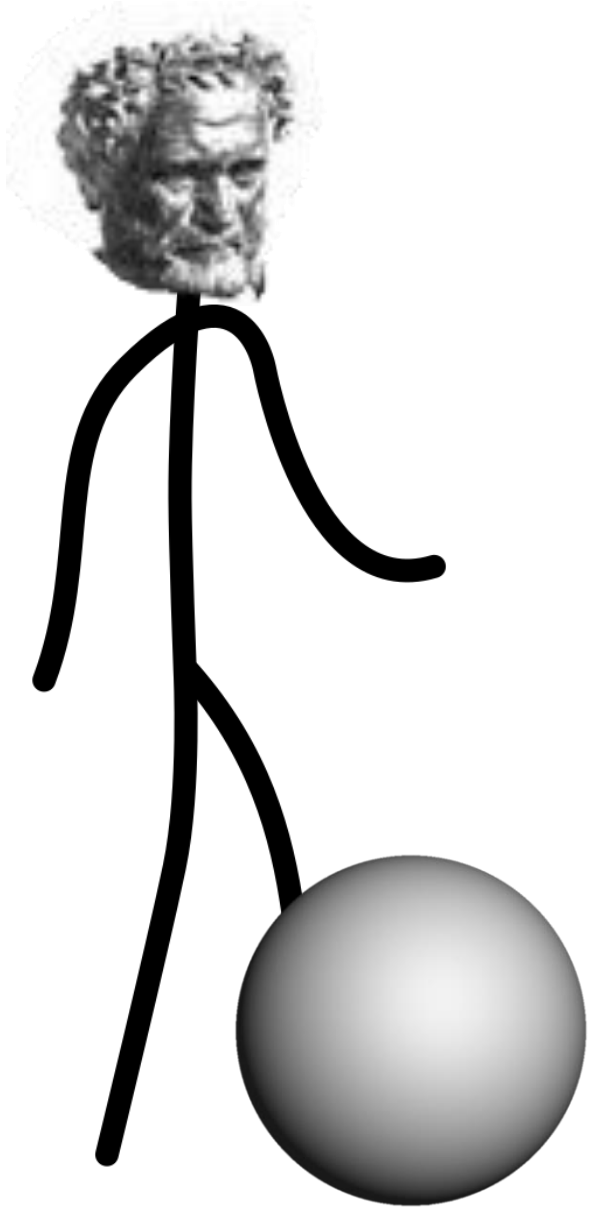


Pozitīvi lādēta mīkla,  
kurā atrodas negatīvi  
lādētas plūmes

# Rēzenforda modelis

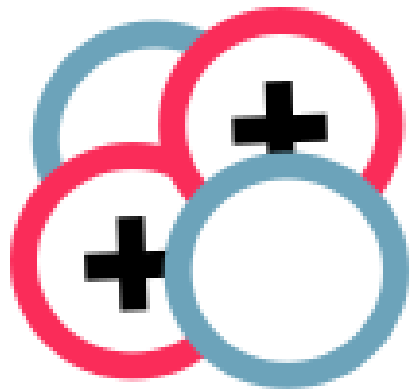
- Atklāja pozitīvi lādētos nuklīdus
- Lielākā masas daļa kodolā
- Elektroni riņķo ap kodolu





## Bekerela sāļu eksperimenti



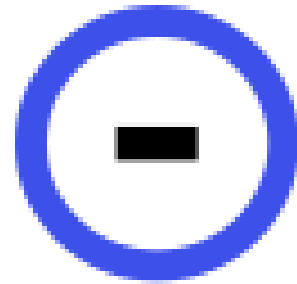


Alfa starojums

$\alpha$

Hēlija atoma kodols

${}^4_2\text{He}$



Beta starojums

$\beta$

Elektrons

${}_{-1}^0e$



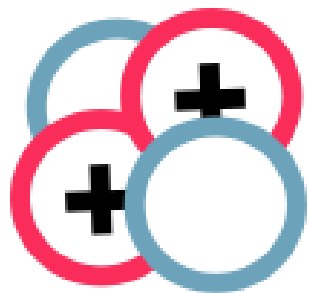


Gamma starojums

$\gamma$

Starojums

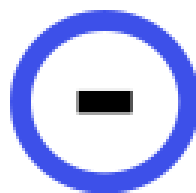
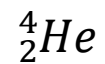
${}^0_0\gamma$



Alfa starojums

$\alpha$

Hēlija atoma kodols



Beta starojums

$\beta$

Elektrons



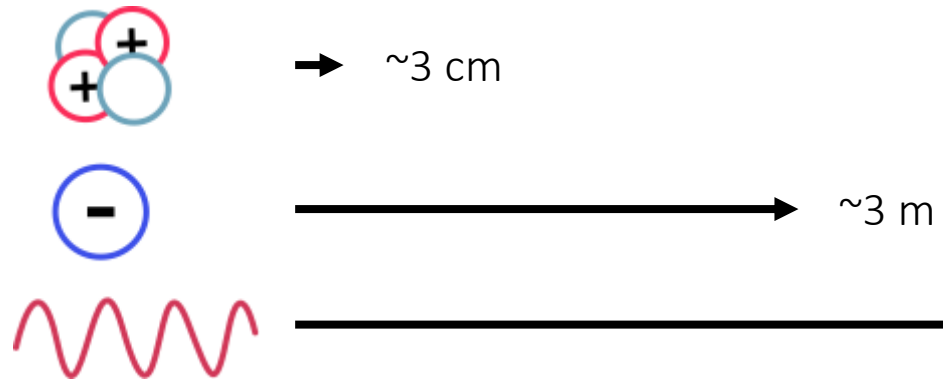
Gamma starojums

$\gamma$

Starojums



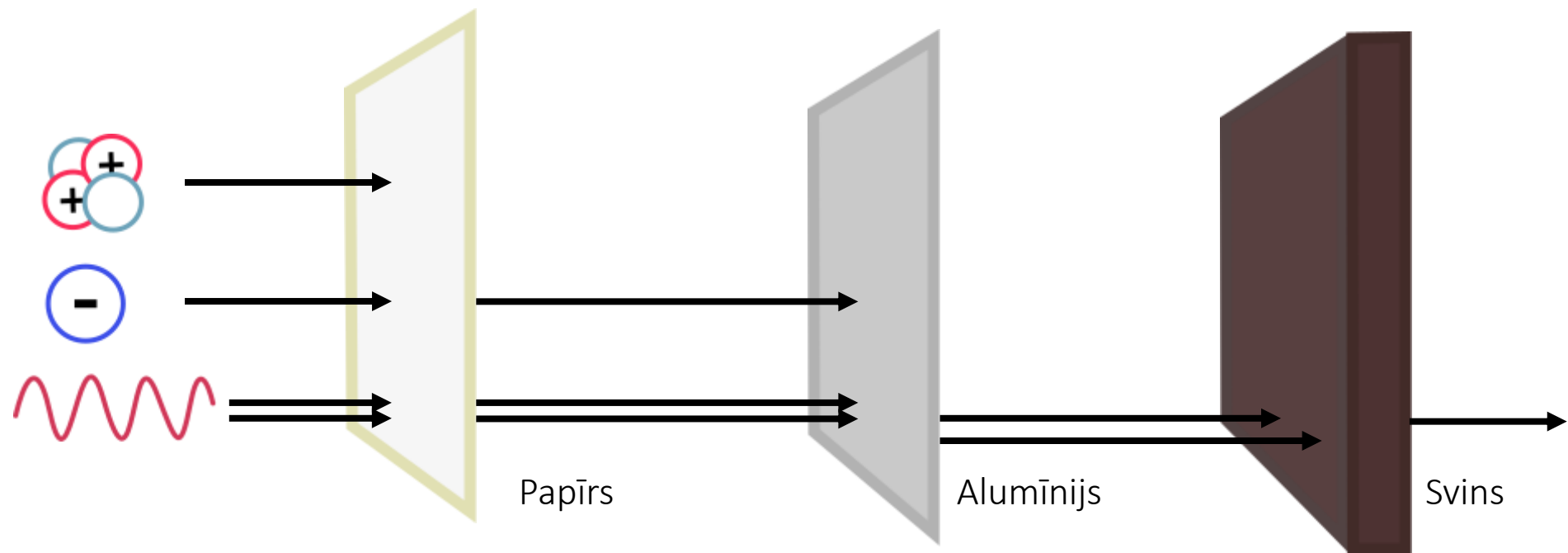
gaisā



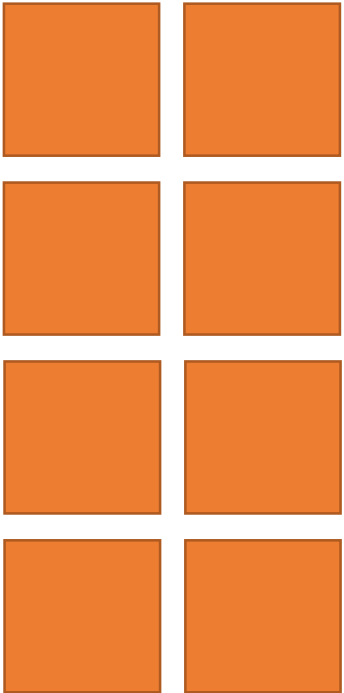




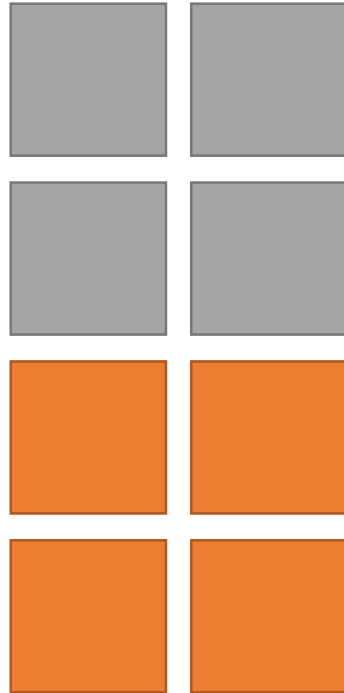
daudz vairāk



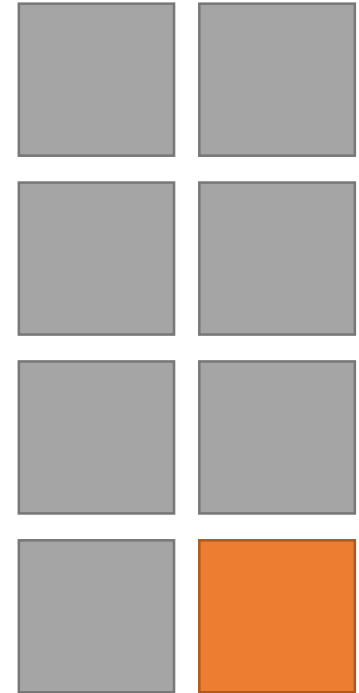
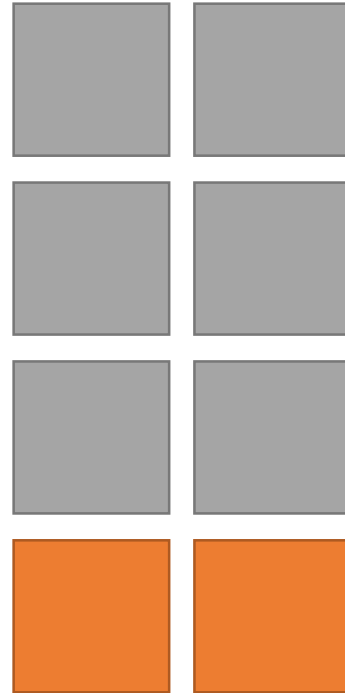
10 min

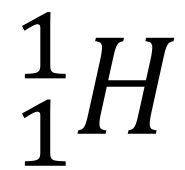
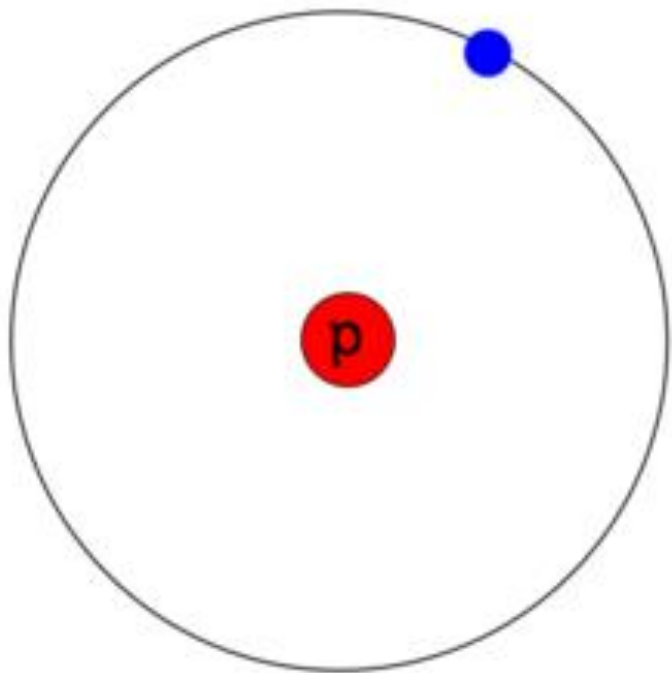


10 min

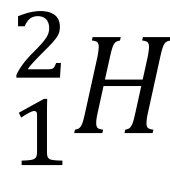
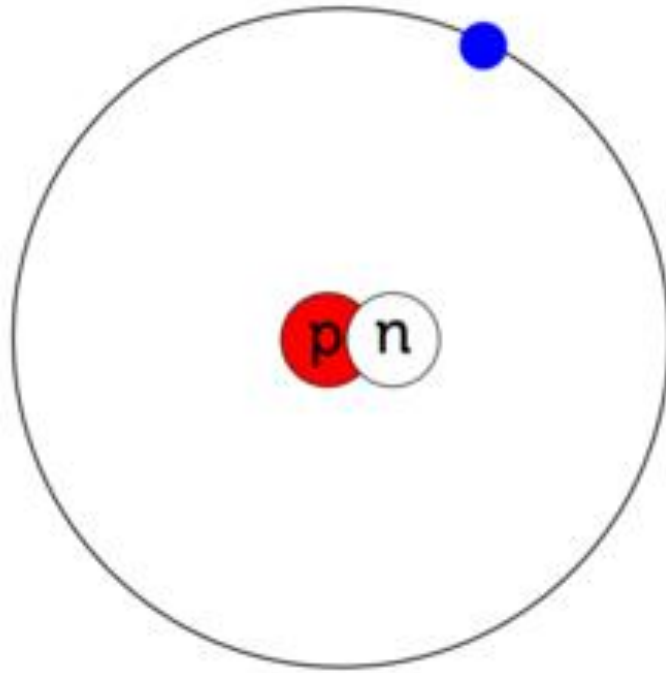


10 min

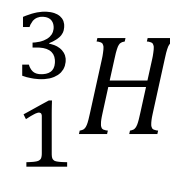
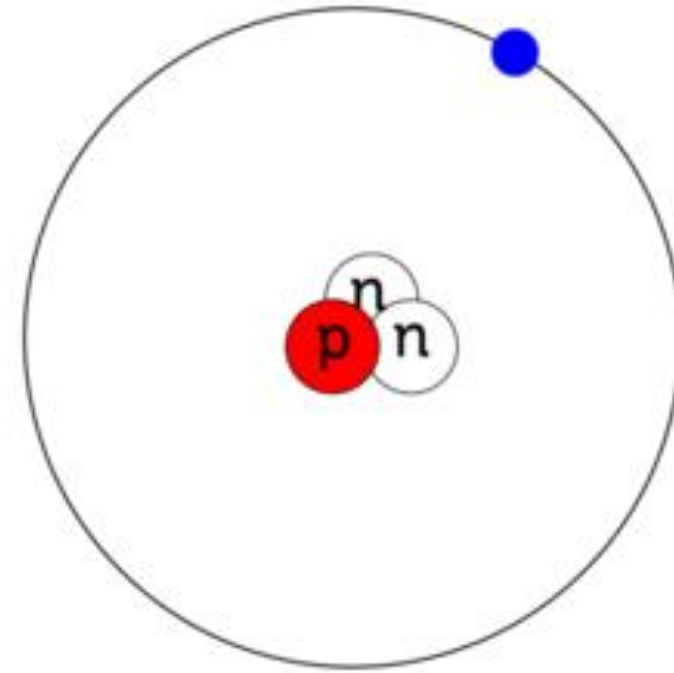




Protījs



Deitērijs



Tritījs



Jautājumi?

**Rn**  
radon

