THREE KINDS OF RADIOACTIVE DECAY

Alpha-Decay

https://phet.colorado.edu/sims/cheerpj/nuclear-physics/latest/nuclear-physics.html?simulation=alpha-decay

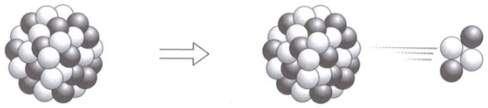
a) Choose "Single Atom", and closely watch the atom. After a while something happens.

What does the nucleus emit? What does Alpha-Radiation consist of?

In what way has the "remaining" nucleus changed?

b) Choose "Multiple Atoms". Click on "Add 10". Watch the atoms decay.

c) Label the picture:



Beta-Decay

https://phet.colorado.edu/sims/cheerpj/nuclear-physics/latest/nuclear-physics.html?simulation=beta-decay

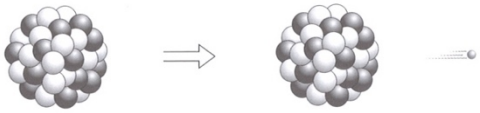
a) Choose "Single Atom", and closely watch the atom. After a while something happens.

What does the nucleus emit? What does Beta-Radiation consist of?

In what way has the "remaining" nucleus changed?

b) Choose "Multiple Atoms". Click on "Add 10". Watch the atoms decay.

c) Label the picture:



Gamma-Decay

https://www.leifiphysik.de/kern-teilchenphysik/radioaktivitaet-einfuehrung/grundwissen/gammauebergang-und-gammastrahlung

a) What does the nucleus emit? What does Gamma-Radiation consist of?

In what way has the "remaining" nucleus changed?

b) Label the picture