
Contents

List of types of radioactivity	2
Products in natural radioactivity	2
Source of natural radioactivity	2
Natural radioactivity	2
Artificial radioactivity	2
Process of origin of radioactivity in artificial radioactivity	2
Radioactive radiation	2
Examples of radioactive radiation	2
List of forces present at the nucleus	3
Nature of nuclear force in nucleus	3
Nature of coulomb force in nucleus	3
Condition of radioactivity of nucleus	3

List of types of radioactivity

- Natural radioactivity
- Artificial radioactivity

Products in natural radioactivity

Highly penetrating radiations

Source of natural radioactivity

Heavy elements in natural

Natural radioactivity

Spontaneous emission of highly penetrating radiations from elements occurring in nature

Artificial radioactivity

Inducing radioactivity by artificial means by nuclear transmutation

Process of origin of radioactivity in artificial radioactivity

Nuclear transmutation

Radioactive radiation

Radiation emitted by unstable radioactive nucleus

Examples of radioactive radiation

- Alpha particles
- Beta particles
- Gamma radiation

List of forces present at the nucleus

- Nuclear force
- Coloumb force

Nature of nuclear force in nucleus

Attractive

Nature of coloumb force in nucleus

Repulsive

Condition of radioactivity of nucleus

Strong repulsive force > Strong attractive nuclear force