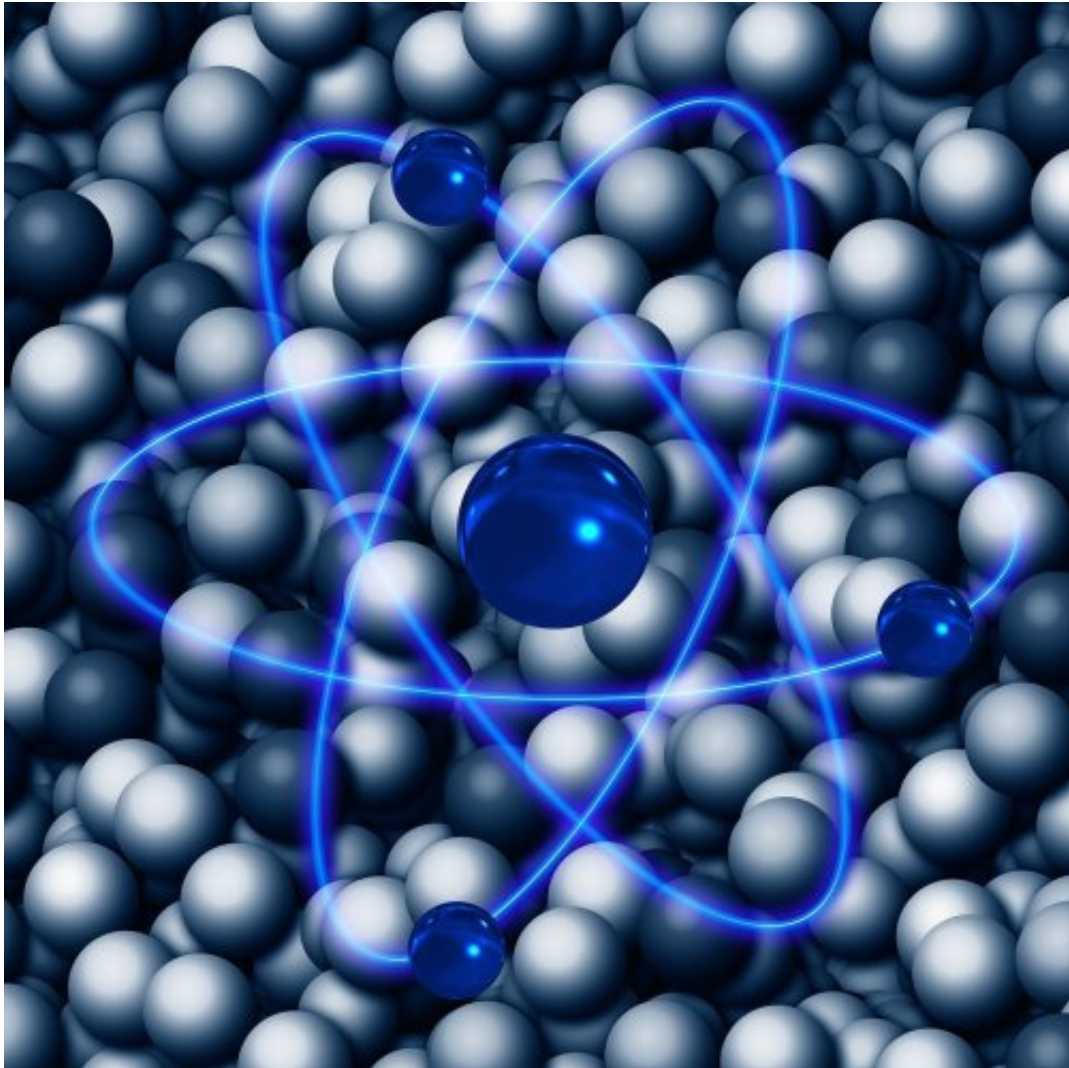


Nuclear Physics Quiz: questions and answers



1. What does nuclear physics study?

- The atomic nuclei and their constituents and interactions
- The poisonous pollutants and its impact on environment
- The life and living organisms

2. Who discovered the radioactivity?

- Marie Curie
- Henri Becquerel
- Pierre Curie

3. What was discovered during the Becquerel experiment?

- The atom internal structure was discovered
- The subatomic particles were discovered
- The atom was discovered

4. What is an example of nuclear reaction?

- A rainbow
- A photosynthesis
- A radioactive decay

5. Which of the fundamental forces are present in nuclear physics?

- A weak nuclear force and a strong nuclear force
- A gravitational force

An electromagnetic force

6. How is nuclear energy formed?

- When an atom's bond is broken
- When atoms get in touch with dark matter
- When atoms get a lot of energy

7. What is transmutation?

- The process of the nucleus changing from one element to another
- The process of disintegration of an atom
- When all the energy is transferred to another atom

8. What is a neutrino?

- The region consisting of protons and neutrons
- The same as a Higgs boson
- A particle with a small mass that is electrically neutral

9. Beta decay is caused by which fundamental force?

- The gravitational force
- The strong force
- The weak force

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Right answers

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The atomic nuclei and their constituents and interactions
2. Who discovered the radioactivity?
Henri Becquerel
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9. Beta decay is caused by which fundamental force?
The weak force