

Nuclear Physics Multiple Choice Questions

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Nuclear Physics Multiple Choice Questions

1. What is the number of a neutron in the nucleus of uranium:

- A. 94
- B. 145
- C. 235
- D. Same number
- E. Different for different isotopes

Answer - Click Here:

E

2. Atom has approximately _____ diameter:

- A. 10-12 m
- B. 10-11 m
- C. 10-10 m
- D. 10-14 m

Answer - Click Here:

C

3. When any nuclei having a different mass number while the same charge number is

- A. Isobars
- B. Similar electron
- C. Isotopes
- D. Similar proton
- E. None of these

Answer - Click Here:

C

4. Who was measured the size of the nucleus

- A. Rutherford
- B. Thomson
- C. Newton
- D. None of these

Answer - Click Here:

A

5. The sum of a number of proton and neutron is called:

- A. Atomic number
- B. Mass number
- C. Isotopes
- D. None of these

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Answer - Click Here:

B

6. Which of the following is used to detect fission reaction:

- A. Mass spectrograph
- B. Microscope
- C. Through penetration
- D. Thermometer

Answer - Click Here:

A

7. What is the Gamma-ray photon is:

- A. No mass and an electric charge of +1
- B. No mass and an electric charge of -1
- C. No mass and no electric charge
- D. No mass and electric charge is +2

Answer - Click Here:

C

8. How we define the mass number?

- A. Number of protons in a nucleus
- B. The complement of the atomic number
- C. The number of protons plus the number of neutrons in the nucleus
- D. Number of neutrons in a nucleus

Answer - Click Here:

C

9. _____ is usually expressed in a unit of Nuclear binding energy.

- A. Mev
- B. ev
- C. kev
- D. Joules

Answer - Click Here:

B

10. Uranium-235 had how many neutrons in the nucleus:

- A. 231
- B. 100
- C. 143
- D. 243

Answer - Click Here:

C

11. Which of the following is correct during fusion of hydrogen into helium:

- A. Mass is increased
- B. Mass is reduced
- C. Energy is absorbed

C. Energy is absorbed
D. Energy is released

Answer - Click Here:

D

12. The density of atom is uniform, Who proposed this law?

- A. Rutherfords model
- B. Bohrs model
- C. J.J.Thomson model
- D. None of these

Answer - Click Here:

C



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