

Nuclear Physics Basic MCQs

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1. What is the atomic number of transuranic elements

- A. Greater than 92
- B. Greater than 89
- C. Less than 92
- D. Greater than 112

Answer - Click Here:

A

2. Which of the following law obey radioactive decay:

- A. $N = N_0(1 + e^{-\lambda t})$
- B. $N = N_0 e^{-\lambda t}$
- C. $N = N_0 e^{-\lambda t/2}$
- D. $N = N_0 e^{-\lambda t}$

Answer - Click Here:

D

3. Who was determine the charge of an electron:

- A. Thomson
- B. Millikan
- C. Maxwell
- D. Ampere
- E. Rutherford

Answer - Click Here:

B

4. How we identify radioactive materials? by measuring through

- A. Density
- B. Hardness
- C. Half-life
- D. Mass

Answer - Click Here:

C

5. Cancer is treated by which of the following method:

- A. Nickel-63
- B. Carbon-14
- C. Strontium-90
- D. Cobalt-60

Answer - Click Here:

Search

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D

6. Which ray microwave ovens and t.v sets emit:

- A. gamma-rays
- B. alpha-rays
- C. X-rays
- D. None of these

Answer - Click Here:

C

7. Vacuum as _____ is not conserved when pair production cannot take place:

- A. Momentum
- B. Mass
- C. Charge
- D. Energy

Answer - Click Here:

A

8. Where CFC(Chlorofluorocarbon) is used in our daily life:

- A. Aerosol spray
- B. Refrigeration
- C. Plastic foam industry
- D. All of the above
- E. None of these

Answer - Click Here:

D

9. Which of the following is the most useful tracer:

- A. Sr-90
- B. C-14
- C. None of these
- D. I-131
- E. CA-41

Answer - Click Here:

B

10. Which of the following device producing high velocity nuclei:

- A. Mass spectrograph
- B. Wilson cloud chamber
- C. Cloud chamber
- D. Linear accelerator

Answer - Click Here:

D

11. How radiations are used for the treatment of bones of patient is

- A. γ -rays

- C. γ -rays
- D. X-rays
- B. β -rays
- E. None of these

Answer - Click Here:

E

12. Commonly Neutron and proton are called

- A. Boson
- B. Quartz
- C. Nucleon
- D. Meson

Answer - Click Here:

C



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