

Atomic and Nuclear Physics MCQs

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Atomic and Nuclear Physics MCQs

- 1. Elements which emit natural radioactivity are called as...
- A. radio elements
- B. active elements
- C. nuclear elements
- D. radioactive elements
- Answer Click Here:
 - D

2. When two light nuclei combine to form an heavier nucleus that process is said to be...

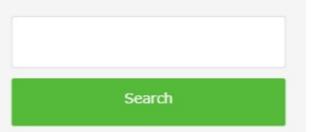
- A. nuclear fission
- B. nuclear transmutation
- C. nuclear power
- D. nuclear fusion
- Answer Click Here:

D

3. Alpha (a) particles are helium (He) nucleus with a charge of

A. 2e

- В. е
- C. 3e
- D. 4e



MCQS PHYSICS

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Answer - Click Here:

А

4. In SI base units, 1 Bq(Becquerel) is equal to

A. 10 disintegration per second

B. 5 disintegration per second

C. 1 disintegration per second

D. None of above

Answer - Click Here:

Solved

С

5. In air the alpha particles(a) have the range of

- A. few centimeters
- B. several thousand meters
- C. several hundred meters
- D. no limit
- Answer Click Here:

А

6. Radiations present in atmosphere due to different radioactive substances are called

- A. background radiations
- B. environmental radiations
- C. positive radiations
- D. cosmic radiations
- Answer Click Here:

А

7. A helium nucleus having two protons and two neutrons with a charge of 2e

is...

- A. alpha particle
- B. beta particle
- C. gamma particle
- D. negative particle
- Answer Click Here:

А

- 8. Isotopes have same number of protons but having different number of...
- A. electrons

B. neutrons

C. shells

D. positrons

Answer - Click Here:

В

9. Number of protons inside of the nucleus represents the ...

A. atomic mass

B. atomic number

- C. atomic count
- D. radioactivity level
- Answer Click Here:

В

10. Radiation emitted from splits into how many components...

- A. 2 components
- B. 3 components
- C. 4 components
- D. 5 components
- Answer Click Here:

В

11. Beta particles(β) are stream of high energy ...

- A. electrons
- B. protons
- C. neutrons
- D. none of above
- Answer Click Here:
 - А

12. Phenomenon by which radiations split matter into positive and negative ions is called

- A. ionization
- B. radiation
- C. transmutation
- D. radioactivity
- Answer Click Here:

Α



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