

## Nuclear Physics important MCQs for admission test and job test

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#### 1. Elements which produce natural radioactivity are known as...

- A. radio elements
- B. active elements
- C. nuclear elements
- D. radioactive elements

Answer - Click Here:

D

#### 2. heavier nuclear made by the combination of two light nuclei that process is said to be...

- A. nuclear fission
- B. nuclear fusion
- C. nuclear power
- D. nuclear transmutation

Answer - Click Here:

B

#### 3. Alpha ( $\alpha$ ) particles are helium (He) nucleus with a charge of...

- A. e
- B.  $2e$
- C.  $3e$
- D.  $4e$

Answer - Click Here:

B

#### 4. A helium nucleus comprising of two neutrons and two protons with a charge of $2e$ is...

- A. beta particle
- B. alpha particle
- C. gamma particle
- G. negative particle

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Answer - Click Here:

B

**5. Isotopes have different number of neutrons but same no of ...**

- A. Protons
- B. neutrons
- C. positrons

Answer - Click Here:

A

**6. Number of protons which is inside of the nucleus represents..**

- A. atomic mass
- B. atomic number
- C. atomic count
- D. radioactivity level

Answer - Click Here:

B

**7. Beta particles are stream of high energy of...**

- A. Electrons
- B. Protons
- C. Photons
- D. Positrons

Answer - Click Here:

A

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

- A. ionization
- B. radiation
- C. transmutation
- D. radioactivity

Answer - Click Here:

A

**9. Radiation emitted from splits into**

- A. 3 components
- B. 4 components
- C. 5 components

D. 2 components

[Answer - Click Here:](#)

A

**10. Positive charge in an atom was intense in a small region called...**

A. atomic mass

B. electron

C. proton

D. nucleus

[Answer - Click Here:](#)

D

**11. Elements whose atomic number is greater than 82 are called as...**

A. positive nuclei

B. stable nuclei

C. unstable nuclei

D. negative nuclei

[Answer - Click Here:](#)

C

**12. During natural radioactivity unstable nucleus disintegrates to become more...**

A. stable

B. unstable

C. excited

D. unexcited

[Answer - Click Here:](#)

A



**Prof. Fazal Rehman Shamil**

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