

## Physics - 10th Class Physics English Medium Chapter 18 Preparation

Q1. Define Atomic mass.

**Ans 1:** It is equal to the number of nucleons in the nucleus.

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Q2. Define cosmic radiation?

**Ans 1:** The earth and all living thing on it receive radiation from outer space. This radiation is called comic radiations.

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Q3. what do you mean by unstable nucleus.

**Ans 1:** the nucleus which emit radiations, all the time, and hence continuously change from one type of element to another are called unstable nucleus.

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Q4. Define alpha particle.

**Ans 1:** Alpha particle has high mass due to this, its penetrating power is very short. It has large interacting and ionizing power. It is also the reason of its less penetrating power.

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Q5. Define Natural radioactivity.

**Ans 1:** The spontaneous emission of radiation by unstable unclai is called natural radioactivity.

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Q6. What is radioactive elements.

**Ans 1:** the elements which emit radiations are called radioactive elements.

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Q7. What is Gamma radiations.

**Ans 1:** the gamma rays can penetrate to a considerable thickness of concrete. It is due to their large speed and neutral nature.

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Q8. Define protium.

**Ans 1:** Protium contains one proton in the nucleus and one electron that resolved around the nucleus.

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Q9. What is Beta particles.

**Ans 1:** Beta radiation strongly interact with matter due to its charge and has a short range of penetrating as compared to gamma radiation.

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Q10. Define Deuterium.

**Ans 1:** Deuterium contains one proton, one neutron and one electrons.

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