

MCQ Generation

Prompt : generate me some mcq questions on the topic "Quantum Physics" with 4 options and correct answers

Tool input given by Claude:

```
{  
  
  `MCQ_number`: 5,  
  
  `query_topic`: `Quantum Physics`,  
  
  `extra_information`: `Focus on fundamental concepts like wave-particle duality, uncertainty principle,  
quantum states, and basic quantum mechanics principles suitable for high school students.`  
  
}
```

Tool output given to Claude:

Question: What is the concept that suggests particles, such as electrons, can exhibit both wave-like and particle-like behavior?

Options:

- A. Uncertainty principle
- B. Wave-particle duality
- C. Quantum entanglement
- D. Superposition

Correct Answer: Wave-particle duality

Explanation: This concept is a fundamental aspect of quantum physics, where particles can display characteristics of both waves and particles depending on how they are observed.

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By this Context generated by Claude LLM :

P can you give me some MCQ with 4 options, and explanation on "Quantum Physics"

I'd be happy to generate some multiple-choice questions on Quantum Physics for you. Let me create those for you with explanations.

View result from Topicwise_MCQ_Generator from mcp-server-demo (local) ▾

```
{
  `MCQ_number`: 5,
  `query_topic`: `Quantum Physics`,
  `extra_information`: `Focus on fundamental concepts like wave-particle duality, uncertainty
}
```

Question: What is the concept that suggests particles, such as electrons, can exhibit both wave-like and particle-like behavior?

Here are some multiple-choice questions on Quantum Physics with explanations:

Question 1

What is the concept that suggests particles, such as electrons, can exhibit both wave-like and particle-like behavior?

- A. Uncertainty principle
- B. Wave-particle duality
- C. Quantum entanglement
- D. Superposition

Demonstrates that MCP Server is well connected by Claude and responding very well for context generation.