

The Story of the Universe

1. Remembering:

- Recall the key events and theories discussed in The Story of the Universe.
- Identify the significant contributions of scientists in The Galilean Age and The Newtonian cult.
- Define Conservation of energy, Laws of Thermodynamics, and concepts related to Atoms.

2. Understanding:

- Explain the relationship between Electric and Magnetic fields and how they interact.
- Interpret Maxwell's work on unification of electric and magnetic fields.
- Describe the concept of quantization of energy in relation to Quantum Physics.

3. Applying:

- Apply the principles of Conservation of energy in various physical scenarios.
- Solve problems related to Electric and Magnetic fields using relevant equations and concepts.
- Analyze and solve problems related to waves in the context of Quantum Physics.

4. Analyzing:

- Evaluate the implications of Conservation of energy and its importance in understanding the natural world.
- Compare and contrast the classical theories of physics with the principles of Quantum Physics.
- Analyze the impact of Maxwell's work on the unification of electric and magnetic fields.

5. Evaluating:

- Critique the limitations of classical physics in explaining certain phenomena compared to Quantum Physics.
- Assess the significance of quantization of energy in understanding the behavior of particles at the atomic level.
- Evaluate the contributions of key scientists in advancing our understanding of the universe.

6. Creating:

- Design experiments or simulations to demonstrate the principles of Electric and Magnetic fields.
- Develop a theoretical framework to explain the behavior of waves in the context of Quantum Physics.
- Formulate hypotheses for further exploration in the field of modern physics.

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