

PHY100S – The Magic of Physics – Pre-Class Quiz #4

Many physics books introduce two observers when discussing relativity, typically one male and one female. What does Hobson name his?

- A. Sue and Lou
- B. Jack and Jill
- C. Velma and Mort **CORRECT**
- D. Desi and Lucy

When he was 16 Einstein asked himself which of the following questions that led him to the theories of relativity?

- A. “What if I could keep up with a light beam?” **CORRECT**
- B. “How can I get a job in the patent office?”
- C. “What is the mass of the ether?”
- D. “What is the future of Physical Science?”

When he was 26 Einstein answered the question he had posed himself 10 years earlier. The answer involved synthesizing two things. The first was re-affirming Galileo’s Principle of Relativity. What was the second part?

- A. “The speed of light is the same for all observers.” **CORRECT**
- B. “Get a friend to help me get a job in the patent office.”
- C. “The mass of the ether is not knowable.”
- D. “My personal future as a scientist is assured.”