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Reading Comprehension on

Albert Einstein

Theoretical Physicist



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Albert Einstein (March 14, 1879 – April 18, 1955) was a German-born theoretical physicist. He developed the general theory of relativity, one of the two pillars of modern physics (alongside quantum mechanics). While best known for his mass-energy equivalence formula $E = mc^2$ (which has been dubbed "the world's most famous equation"), he also made important contributions to the development of quantum mechanics and statistical mechanics.

Einstein's work is also central to the development of cosmology. He is widely regarded as one of the most brilliant and influential physicists of all time. In 1921, Einstein was awarded the Nobel Prize in Physics "for his services to Theoretical Physics, and especially for his discovery of the law of the photoelectric effect".

Albert Einstein's scientific work was based on the theory of relativity. He proposed that the laws of physics should be the same for all observers, regardless of their relative motion. This principle is known as the relativity principle. In addition to the relativity principle, Einstein proposed the principle of equivalence. This principle states that the force of gravity is the same in all directions.

Einstein's theories were first verified by experiments performed by Sir Arthur Eddington during the 1919 solar eclipse. These experiments showed that the path of light was bent when it passed near the sun. This confirmed Einstein's theory of general relativity.

Questions

1. When was Albert Einstein born?
2. What did he theorize to be the two pillars of modern science?
3. Why did Albert Einstein receive a Nobel prize?
4. What are the principles of relativity and equivalence that were proposed by Einstein?
5. How were Einstein's theories first verified?
6. Who verified Einstein's theories?
7. What is Einstein's most famous formula?

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