

## Science

What are the steps of the scientific method? Why is it important to follow this process?

Is science objective or subjective? How do personal biases influence scientific research?

What is a hypothesis? How is it formulated and tested?

What is a scientific theory? How is it different from a hypothesis or a law?

What are the key components of a well-designed experiment? How can we minimize experimental error?

How is data analyzed and interpreted in science? What statistical methods are used?

What are the ethical considerations in scientific research? How can we ensure ethical conduct in science?

How does science impact society? What are the social responsibilities of scientists?

What are the most exciting areas of scientific research today? How will science shape the future?

Are there questions that science cannot answer? What are the boundaries of scientific inquiry?