

Examples of Scientific Method Exam Question

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What are the principles of the scientific method?

How does one search literature and why is it necessary in scientific work?

What does the Impact Factor measure and how does one calculate it?

What's the purpose of scientific conferences?

How to take questions during presentations?

What is a theory? Examples?

What is a hypothesis?

What are Fisher's principles?

What are descriptive statistical methods? Examples?

What are comparative statistical methods? Examples?

When does one use a dependent t-test?

What is replication?

When does one use a two-way ANOVA?

When does one use non-parametric tests?

Hypothetical experiment ("You want to test which car is faster. Design (in words) an experiment to do that").

What are the main chapters of an article/paper? What do those chapters cover?

What is peer-review and why is it needed?

What is self-plagiarism?