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| Science as a Way of Knowing | The Goals of Science |
| Science, Change, and Uncertainty | Scientific Methodology: The Heart of Science |
| Observing & Asking Questions & Inferring & Forming a Hypothesis | Designing Controlled Experiments |
| Collecting & Analyzing Data | Drawing Conclusions & When Experiments are Not Possible |

Peer Review

Science, Ethics, & Morality

Understanding & Using Science

Avoiding Bias

Sharing Knowledge & New Ideas

*Predict what might happen if an article was published without peer review*