



Are Scientists Robots? Benchmarks

Big Idea 1: The Practice of Science

- SC.6.N.1.5 Recognize that science involves creativity, not just in designing experiments, but also in creating explanations that fit evidence.
- SC.7.N.1.5 Describe the methods used in the pursuit of a scientific explanation as seen in different fields of science such as biology, geology, and physics.
- SC.8.N.1.5 Analyze the methods used to develop a scientific explanation as seen in different fields of science.
- SC.8.N.1.6 Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.
- SC.912.N.1.7 Recognize the role of creativity in constructing scientific questions, methods and explanations.



Are Scientists Robots? Vocabulary Sheet

Objective/Objectivity: The ability to perceive or describe something without being influenced by personal emotions or prejudices.

Subjective/Subjectivity: Interpretation based on personal opinions or feelings rather than on external facts or evidence



Are Scientists Robots? Guiding Questions

1. At the beginning of the video, why did the narrator think that all scientists were robots?
2. What experience changed his mind?
3. Give at least two examples of how the narrator collected objective data.
4. What is one example the narrator gave that supports the idea that scientists are NOT robots?