Sample, Problem-based Learning Lesson

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This example can be used in college-level biology and environmental science courses for non-science and science majors.

Problem:
- Find a strategy to reduce the probability of global climate change.

Introduction:
- Ask students to research the causes of global climate change.

Background Search:
- Greenhouse gases.
- Greenhouse gas origins.
- Role of greenhouse gases in nature.

Problem Resolution:
- Greenhouse gas reduction.
- Biological uptake of greenhouse gases.
- Chemical uptake of greenhouse gases.
- Mechanical uptake of greenhouse gases.

Experimental Confirmation:
- Design controlled experiment to show that an approach to the problem is feasible.
- Provide expected results to confirm or reject the approach.

Problem Evaluation:
- Design a way to measure the feasibility of a proposed approach.

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