

Name _____

Real-World Problem Solving

Artificial intelligence isn't just for chatbots and homework help - it can also spark ideas for solving *real* problems. From pollution to poverty, AI tools like **Google Gemini** can brainstorm creative ways to make the world a better place. But even the smartest AI can't fix everything - that's where *you* come in.

In this activity, you'll explore how AI can help with local and global challenges. You'll choose an issue, ask Gemini for solutions, and then decide which one could actually work in your community. The goal is to think like an innovator - using technology and human creativity together.

Directions: Read the list of real-world issues below. Choose one that interests you most. In **Google Gemini**, ask: "Give me three realistic ideas to help solve [your chosen issue]." Record Gemini's suggestions. Pick one idea you think could truly work in your community or school. Explain *how* it could make a difference and what steps people would need to take.

Step 1: Choose an Issue – Pick 1 of these to explore (or another with teacher approval):

Reducing waste at school	Improving access to healthy food
Preventing bullying or improving kindness	Supporting mental health and well-being
Keeping local parks and rivers clean	Preparing for natural disasters
Saving energy at home or in classrooms	Reducing pollution or plastic use
Helping endangered animals	Making your school more eco-friendly

Step 2: Ask Gemini and Record Its Ideas

Issue You Chose

Gemini's Suggested Solutions (Summarize the 3 ideas)

- 1.
- 2.
- 3.



Step 3: Pick the Best Idea - Which idea do you think would work best in your community or school? Why?

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What steps would people need to take to make it happen?

Who could help (students, teachers, city leaders, local businesses)?

Reflection:

1. How did Gemini's suggestions help you think more creatively?

2. Why is it important to combine AI ideas with human effort and judgment?

3. What's one thing you could do *today* to start making your idea real?
