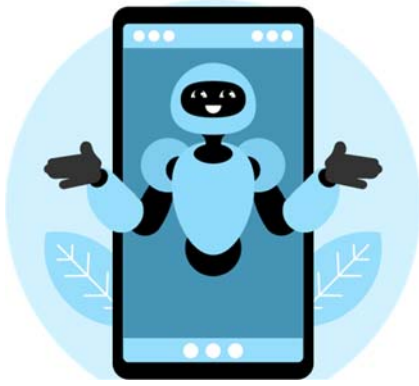


Name \_\_\_\_\_



## Tech Ripple Effect

**Directions:** Read the short summaries below about two modern innovations. Then, analyze their impact by answering the reflection questions that follow. Use thoughtful reasoning and examples to support your answers.

**Artificial Intelligence (AI)** - Artificial Intelligence allows machines to perform tasks that normally require human thinking-like recognizing faces, translating languages, or making predictions. Many industries now use AI to improve efficiency and accuracy, from hospitals detecting diseases earlier to farmers predicting weather for crops. However, concerns have risen over data privacy, job loss, and ethical decision-making.

1. How does AI improve life and work around the world?
2. What are some potential risks or downsides of using AI?
3. Do you think AI's benefits outweigh its risks? Explain your reasoning.

**Renewable Energy Technologies** - Solar panels, wind turbines, and hydroelectric systems are changing how nations power their homes and industries. These technologies reduce dependence on fossil fuels and cut pollution, helping fight climate change. Yet, some regions face challenges with cost, energy storage, and access to modern grids. As renewable energy spreads, it transforms global trade and investment patterns.

4. How does renewable energy affect both local and global economies?
5. What challenges must be overcome for renewable energy to succeed everywhere?
6. How might renewable energy connect countries more closely in the future?

**Final Analysis:** Compare the two innovations. Which do you think has the greater long-term impact on globalization-AI or renewable energy? Support your answer with evidence.