

Name \_\_\_\_\_

## Solar Sparks: Can We Harness Photosynthesis for Energy?

### Open-Ended Response Questions

1. Explore the potential environmental benefits of using photosynthesis for energy generation, including its role in reducing greenhouse gas emissions.
2. Discuss the ethical considerations surrounding genetic engineering of plants for enhanced photosynthetic efficiency and its impact on agriculture and ecosystems.
3. Investigate the challenges of scaling up photosynthesis-inspired technologies for large-scale energy production and their role in achieving a sustainable energy future.
4. Reflect on the importance of continued research and innovation in harnessing photosynthesis for human energy needs, considering its potential to transform the renewable energy landscape.

