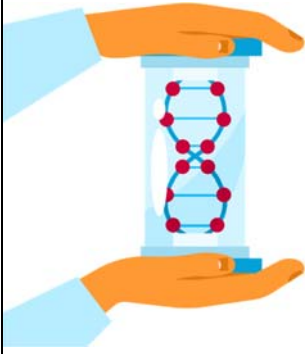


Name \_\_\_\_\_



## Engineered Futures

**Directions:** Read the informational passage carefully. Identify the **main idea** and the most important supporting details. Then, write a **3-4 sentence summary** that captures only the essential information. Do not copy entire sentences from the passage; use your own words.

### Genetic Engineering: Unlocking DNA

Genetic engineering is the process of directly altering an organism's DNA to achieve specific traits. Scientists use this technology in agriculture to create crops that resist pests, tolerate drought, and produce higher yields. In medicine, genetic engineering allows for breakthroughs such as insulin production, gene therapy for inherited diseases, and the potential to edit harmful mutations. While the benefits are significant, ethical concerns arise about long-term effects, environmental impact, and how far humans should go in altering nature.

**Summary Builder:** Write a 3-4 sentence summary of the passage above. Focus only on the essential ideas: what genetic engineering is, where it is used, and why it raises debates.

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