

Name \_\_\_\_\_

## 3D Printing vs. Traditional Manufacturing: The Battle of the Makers!

### Short Answer Key

1. 3D printing reduces waste by using only the exact amount of material needed for the object, minimizing excess material.
2. One possible example is a custom-fitted orthopedic insole for a shoe.
3. 3D printing is more cost-effective for small-batch production because it doesn't require expensive molds or tooling.
4. Rapid prototyping is the quick creation of prototypes or models of products. 3D printing is well-suited for it because it can produce parts and prototypes quickly.
5. The precision and complexity advantages of 3D printing mean that it can create intricate and complex designs that are difficult to achieve with traditional manufacturing methods.

