Name _____

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

Multiple Choice Questions

1. What is the main advantage of 3D printing's precision and complexity?

a) It is faster than traditional manufacturing.

b) It allows for intricate and complex designs.

c) It reduces waste.

d) It uses fewer materials.

2. How does 3D printing contribute to reducing waste?

a) By using large blocks of material efficiently.

b) By cutting materials into the desired shape.

c) By using the exact amount of material needed.

d) By producing items in large quantities.

3. What is one advantage of 3D printing for small-batch production?

a) It requires expensive molds.

b) It is not cost-effective.

c) It eliminates the need for tooling.

d) It is slower than traditional manufacturing.

4. What does customization mean in the context of 3D printing?

a) Creating identical products for everyone.

b) Tailoring products to meet specific needs.

c) Mass-producing items without variation.

d) Using the same design for all products.

5. Why is 3D printing considered efficient for rapid prototyping?

a) It involves lengthy setup times.

b) It requires expensive molds.

c) It can produce parts and prototypes quickly.

d) It generates a significant amount of waste.