

Name _____

3D Printing's Limitations: Where It Falls Short of Perfection

Multiple Choice Questions

1. What is one limitation of 3D printing in terms of materials?
 - a) It can print with any material.
 - b) It has a limited range of compatible materials.
 - c) It is faster than traditional manufacturing.
 - d) It does not require any materials.

2. Why may 3D printing not be suitable for mass production?
 - a) It is the fastest manufacturing method.
 - b) It can produce thousands of parts in a short time.
 - c) It requires fewer materials.
 - d) It takes longer to produce large quantities of items.

3. What is a challenge when it comes to the surface finish of 3D printed objects?
 - a) Achieving a smooth and polished finish is easy.
 - b) Layer lines and rough surfaces are not a concern.
 - c) The surface finish may not always meet desired standards.
 - d) Surface finish has no impact on 3D printing.

4. Why are some large-scale items difficult to produce using standard 3D printers?
 - a) 3D printers are faster for large objects.
 - b) Large objects require less material.
 - c) The size of objects is limited by the printer's size.
 - d) Standard 3D printers are better for large-scale projects.

5. When might traditional manufacturing methods be more suitable than 3D printing?
 - a) For intricate and complex designs.
 - b) For producing large quantities of simple objects.
 - c) For achieving a smooth surface finish.
 - d) For creating custom prototypes.

