

Name _____

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

Open-Ended Response Questions

1. Discuss how the limitation of material constraints in 3D printing can impact its usability in industries like aerospace or medicine.
2. Imagine you need to produce 10,000 identical toy cars. Explain why 3D printing might not be the best choice for this manufacturing task, considering both speed and cost.
3. What strategies or technologies do you think could be developed to address some of the limitations of 3D printing, such as surface finish and production volume?
4. In your opinion, what are the trade-offs between 3D printing's strengths (precision and complexity) and its limitations (material constraints and speed) in the world of manufacturing?

