1. **Watch the video "What Is 3D Printing and How Does It Work?" and select the correct answer.**

1. What is the main process involved in 3D printing technology?
a) Subtractive manufacturing
b) Additive manufacturing
c) Sculpting and molding
d) Forging
2. How does additive manufacturing differ from standard means like forging, molding, and sculpting?
a) It is slower and more expensive
b) It requires more materials
c) It involves subtracting material layer by layer
d) It is faster and more cost-efficient
3. What is the first step in the 3D printing process?
a) Sending the design to the printer
b) Creating a blueprint of the object
c) Melting the material
d) Testing biomaterials for regenerative medicine
4. What kind of material is commonly used in 3D printing?
a) Metal
b) Glass
c) Plastic
d) Wood
5. In what way is 3D printing technology being applied in the medical field?
a) Printing large-scale structures for hospitals
b) Creating intricate treats for patients
c) Testing biomaterials for regenerative medicine
d) Printing tools for surgeries
6. What recent achievement in 3D printing is mentioned in the text?
a) Printing a giant sculpture
b) Printing houses in China
c) Printing organs for transplants
d) Printing medical tools

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7. Where can designers find 3D models for printing?

a) Blender

b) Thingiverse and Shapeways

c) MakerBot Replicator Two

d) Mashable's latest coverage

8. How is the material deposited during the 3D printing process?

a) By subtracting layers

b) By molding the material

c) By adding it layer by layer

d) By melting it directly onto the plate

9. What is mentioned as an application of 3D printing in the food industry?

a) Printing tools for chefs

b) Printing intricate treats

c) Printing large-scale food structures

d) Printing edible plates

10. What is the advantage of using renewable bioplastic in some 3D printers?

a) It is cheaper

b) It is faster

c) It is environmentally friendly

d) It is more colorful

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