Quiz: 3D Scenes

1. What are the key differences between 2D and 3D games?

a) 2D games have more depth and dimension than 3D games.

b) 3D games have more realistic graphics and gameplay than 2D games.

c) 2D games are played on a flat plane, while 3D games have depth and can be explored from different angles.

d) 3D games are only played on consoles, while 2D games are played on computers.

2. How do materials affect the appearance of 3D objects?

a) Materials have no effect on the appearance of 3D objects.

b) Materials define the shape and size of 3D objects.

c) Materials determine the color, texture, and visual properties of 3D objects.

d) Materials control the movement and animation of 3D objects.

3. Explain the role of lighting in creating realistic 3D scenes.

a) Lighting has no effect on the appearance of 3D scenes.

b) Lighting determines the speed and performance of 3D scenes.

c) Lighting adds depth and realism to 3D scenes by creating shadows and highlights.

d) Lighting controls the interaction between objects in 3D scenes.

4. What is the purpose of a Camera node in a 3D scene?

a) The Camera node is used to control the movement of 3D objects.

b) The Camera node defines the player's perspective and view in a 3D scene.

c) The Camera node adds special effects and filters to 3D scenes.

d) The Camera node is not necessary in a 3D scene.