

## Zara's Sculpture Studio Challenge

*Learning objective: To understand the techniques, materials, and processes used in 3D sculpture, including additive and subtractive methods.*

Join Zara the Zebra in her studio! Read the questions carefully and use your artistic knowledge to select the correct answers or provide the missing terms. Remember, in sculpture, every angle tells a story.

Answer Key: 1.C, 2.False, 3.Carving, 4.A, 5.True, 6.Assemblage, 7.B, 8.Armature, 9.False, 10.Relief.

Explanation: Sculptures are 3D objects created through subtraction (carving) or addition (modelling/assemblage).

*Word bank: Armature · Modelling · Carving · Relief · Assemblage · Scale · Texture · Casting*

**1. Which term describes a subtractive process where a sculptor removes material from a block? A) Modelling B) Casting C) Carving\* D) Assemblage (1 mark)**

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**2. True or False: A sculpture that is designed to be viewed from all sides is called a relief sculpture. (1 mark)**

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**3. What do we call the process of shaping soft materials like clay by hand? (1 mark)**

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**4. Which material is traditionally used to create a durable sculpture through the process of casting? A) Molten metal\* B) Paper C) Water D) Sunlight (1 mark)**

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**5. True or False: An armature is a rigid framework used to support a sculpture while the material is being added. (1 mark)**

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**6. What is the name of the technique where a sculptor combines various 'found' objects to create a new, unified 3D piece? (1 mark)**

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**7. If you are making a sculpture that protrudes from a flat background, it is a: A) Free-standing sculpture B) Relief sculpture\* C) Bust D) Kinetic sculpture (1 mark)**

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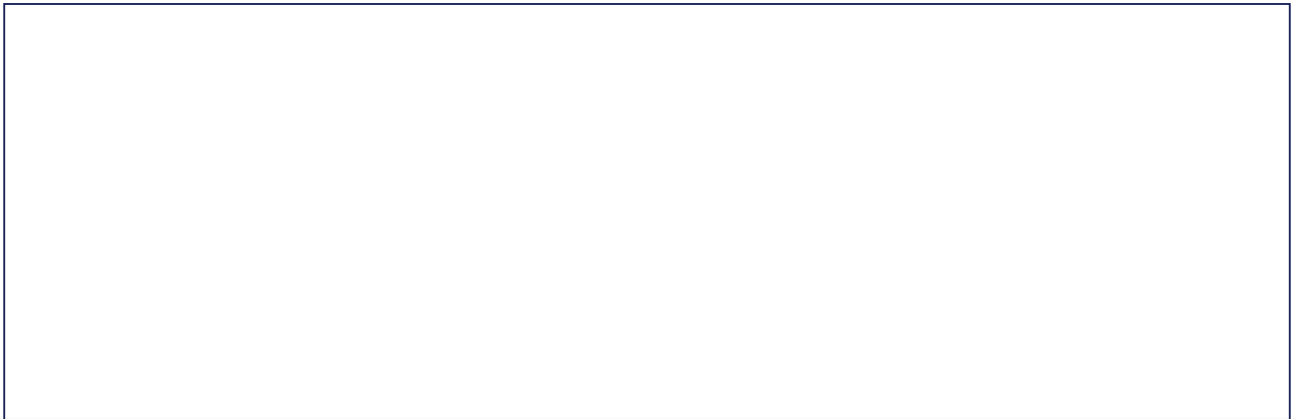
**8. Which word describes the surface quality of a sculpture, such as rough, smooth, or jagged? (1 mark)**

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**9. True or False: Kinetic sculptures are designed to remain perfectly still at all times. (1 mark)**

**10. What term refers to the relative size of a sculpture compared to the object or person it represents? (1 mark)**

**Draw: Imagine you are Zara. Design a sculpture for a public park that uses at least three different textures. Label your drawing to show which materials you would use to achieve those textures (e.g., cold stone, polished metal, or rough clay).**



*Extension challenge: Greater Depth Challenge: 1) Explain why a sculptor might choose to use an armature when working with clay. 2) Compare and contrast the methods of carving and assemblage; which requires more planning and why? 3) If you were commissioned to create a sculpture for your school costing £500, justify how you would allocate the budget between materials, tools, and protective equipment. 4) What might happen to the viewer's experience if a sculptor changes the scale of a piece from life-size to monumental? 5) Justify your choice of materials for an outdoor sculpture exposed to British weather. 6) How does the addition of movement (kinetic art) change the way a viewer interacts with a sculpture compared to a static piece?*