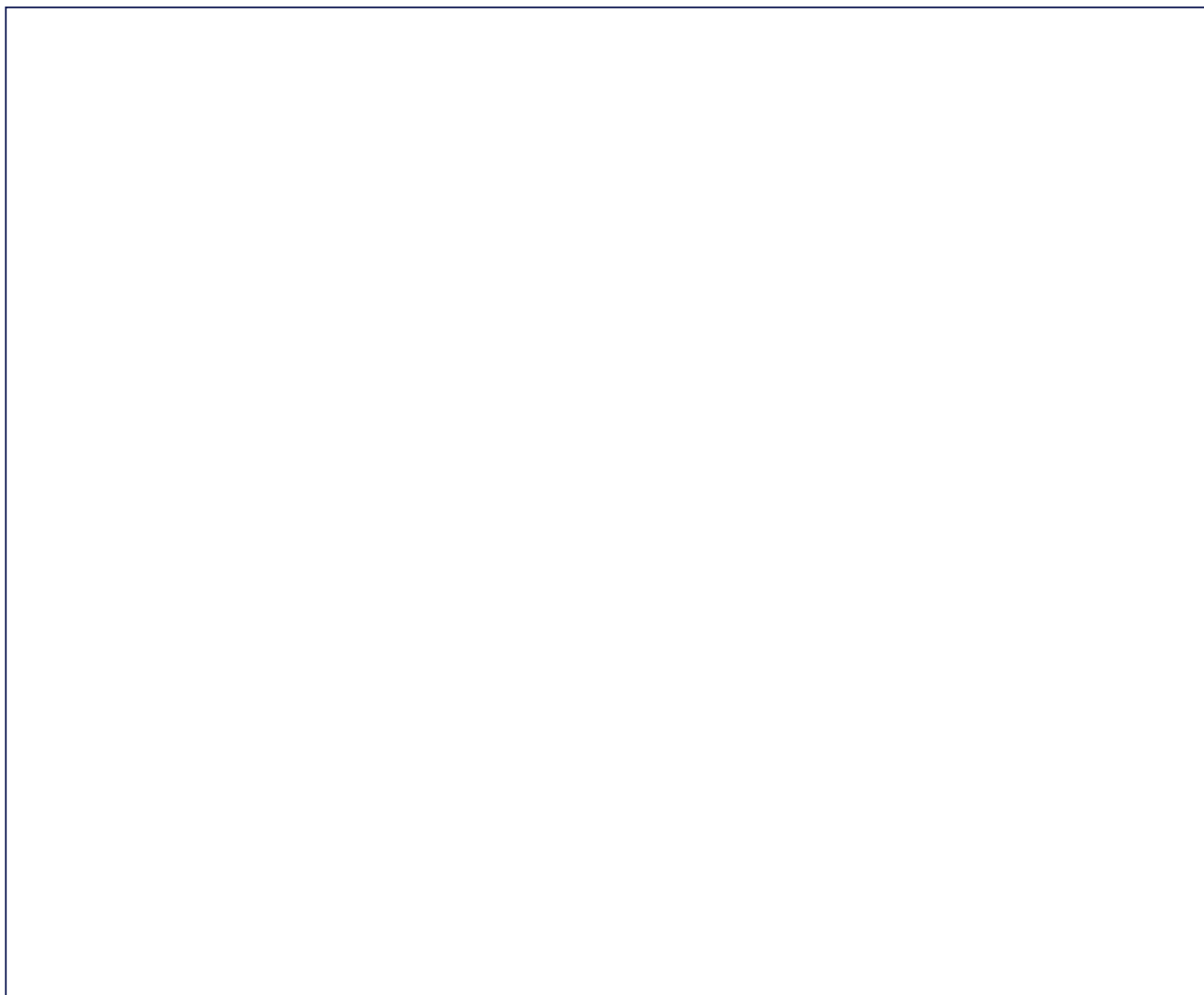


Global Rhythms: Designing World Instruments

Learning objective: To identify and illustrate traditional musical instruments from different global cultures, understanding how materials and shapes affect their sound.

Use the drawing space to design an imaginary musical instrument inspired by the diverse sounds of the world. Think about how the instrument is played: do you strike it, pluck it, or blow air into it? Use the word bank to label your creation.

Draw: Draw a large, detailed musical instrument in the center of the page. Use a 'technical sketch' style with clear lines. Include a zoomed-in detail bubble showing a close-up of the part that vibrates to make the sound. Surround your instrument with patterns inspired by traditional global art, such as geometric shapes or organic foliage motifs.



Label words: Resonator · Vibration · Percussion · String · Acoustics · Texture · Pitch · Mallet

Steps:

1. Explain why the size of a resonator (the hollow part of an instrument) changes the pitch of the sound produced.
2. Compare and contrast a string instrument with a percussion instrument. How do they each create vibrations?
3. Justify your choice of materials for your designed instrument. Why would those specific materials produce

a good sound?

4. Label your drawing with at least four words from the word bank to explain how your instrument functions.
5. What might happen to the sound of your instrument if you replaced a wooden part with a piece of metal?
6. If you were to compose a piece of music for your instrument, would it be fast and energetic or slow and calming? Explain your reasoning.