



## Musical Glasses

### *What it takes...*

1. Gather four or five glasses, making sure they are the same type of glass. Glasses of different thickness affect the sounds.
2. Water and a tapper or stick complete the items needed.

### **Easy as 1, 2, 3...**

1. Place your selected glasses on a table next to each other. Remember to leave space between each.
2. Fill one glass of about 1/4 full. In each succeeding glass, add about 1", 1 1/2", 2", and 2 1/2" to the original 1/4 full mark in each of the next three glasses.
3. Gently strike each glass with your stick. Can you hear a distinction in tone?

### **Simple Principles:**

Sounds are made when something vibrates. Tap a glass along the side and at the rim. The clearest sound comes from near the rim. Not all glasses have the same tone. Thin glasses have a high-pitched tinkle. You'll discover the large and thick glasses have a low tone.

When water is in the glass, the glass sounds as if it were thicker. It vibrates at a slower rate and rings with a lower tone. The more water, the lower the tone.