

# SCIENCE OF SOUND

\*Get permission before gathering the materials for this science experiment.\*

## Materials

- 3 glass cups (all the same size)
- Food coloring (optional)
- Water (enough to fill all cups)
- Spoon

## Vocabulary

Lower  
Higher  
Medium  
Less  
More  
Bigger  
Smaller  
Vibrations  
Pitch

## Directions

- Fill each glass with a different amount of water.
- Lightly tap each glass with the spoon.
- Record your findings on the bottom of this page.
- Use the vocabulary to describe what you discovered.

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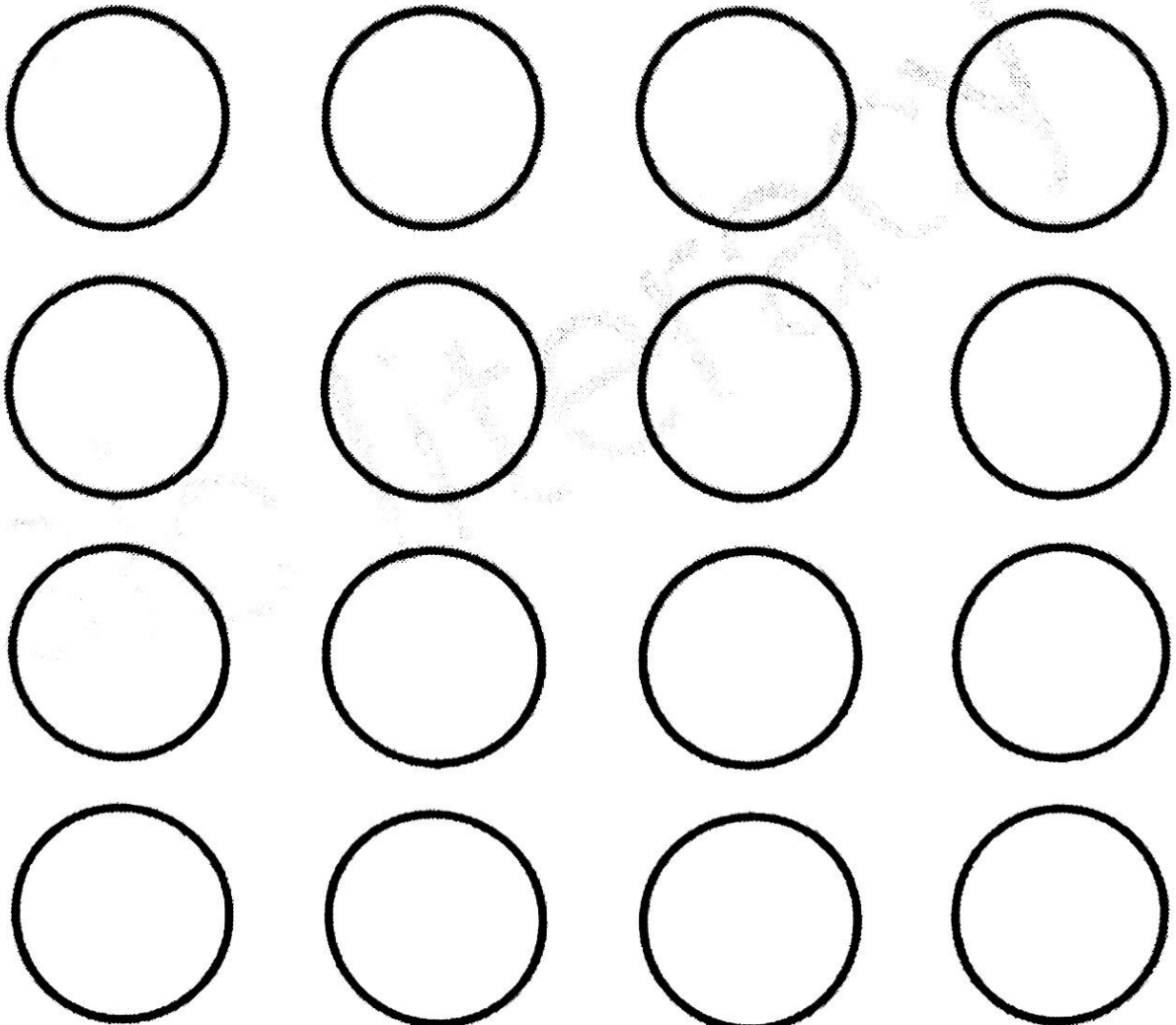
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# WATER GLASS COMPOSITION

## DIRECTIONS

Use the water glasses from your science experiment to create a composition.

- Add or take out water to make each glass a different pitch.
- Try to aim for a low, medium, and high pitch.
- Use food coloring to make the water in each glass a different color.
- Color the chart below using the same colors you added to each water glass.
- Color in the circles to create your composition.
- When you're finished, play the composition with a steady beat.
- Finally, write the title of your composition in the box below.



# MUSICAL HOPSCOTCH

## PLAYERS

2-4

## MATERIALS

chalk and a rock or other small object.

## DIRECTIONS

- Use sidewalk chalk to draw the map below on pavement or blacktop.
- Toss the object into the first square (quarter note).
- The object can't touch a border or bounce out. If it does, you lose your turn.
- Hop through the course using one foot for each square and both feet for two squares. Skip over the square with the object.
- When you've reached the rest at the end, turn around and hop back. Pick up the rock on your way.
- The first person to toss the rock into each square, and complete the course each time, wins the game.

