Name: _____ **Date:** _____

Family Link with Science

Bathtub and Swimming Pool Sound Experiments

To find out how well sound vibrations travel through water, try to listen for some of the following sounds when you are under the water of your bathtub or a swimming pool.

- Something knocking against the edge of the tub or pool
- The side of the tub or pool being rubbed with your hand
- Two wooden blocks tapped together in the water
- Two metal spoons clinking together in the water
- Someone speaking to you from outside the tub or pool
- Yourself or someone else humming

Think about your findings by answering the following questions:

1. Could you hear low sounds such as the tapping blocks or the humming?

2. Could you hear high sounds such as the clinking metal spoons?

3. Are any of the sounds clearer or louder under the water than they seem to be in the air?

4. Is it easy to understand what people are saying?