SCREAMING SPOON AND FORK

SCIENCE SAFETY
PLEASE follow these safety precautions when doing any science experiment.

- **ALWAYS** have an adult present.
- **ALWAYS** wear the correct safety gear while doing any experiment.
- **NEVER** eat or drink anything when performing any experiment.
- **REMEMBER** experiments may require marbles, small balls, balloons, and other small parts. Those objects could become a CHOKING HAZARD. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS

- Dry Ice
- Spoon
- Fork
- Thermal Gloves
- Pipe Cleaner

INSTRUCTIONS

**STEP 1:** Using the thermal gloves, place a large piece of dry ice on a flat surface.

**STEP 2:** Holding the handle of the spoon, place the back of the spoon against the dry ice, and observe. Provide evidence that vibrating materials can make sound and that sound can make materials vibrate.

**STEP 3:** Holding the handle of the fork, place the back of the fork against the dry ice, and observe. Provide evidence that vibrating materials can make sound and that sound can make materials vibrate.

**STEP 4:** Using the illustration of a sound wave to the right, under “science background,” develop a model of a sound wave with the pipe cleaner. Identify the different parts of the wave.

EXPLANATION

Sound is vibrations moving through matter. As you place the back of the metal utensils against the dry ice, which is -109.3°F, they vibrate, creating the screaming spoon and fork.