

# **CHEMYSTERIES**

*PRE-VISIT PAGE (GRADES 2-6) 60 minutes*

*The Arizona Science Center will be visiting your location with all the materials and equipment needed for your group to participate in a program about introductory chemistry concepts.*

## ***CONCEPTS***

- All matter is made of molecules that are in constant motion
- Matter on Earth can be defined as being in either a solid, liquid, or gaseous state
- Matter can change from one physical state to another
- Matter can combine in a chemical reaction resulting in a different product
- Heat change, color change, and gas production are all indicators of a chemical reaction

## ***EXTENSION ACTIVITIES***

- Compare table salt and pepper when added to water
- Mix baking soda and vinegar
- Make rock crystal candy from sugar

## **PROGRAM NEEDS**

- **One instructor table at front of room**
- **Room with sink or water readily available**
- **Limited to 30 participants who will work in groups of three**
- **If multiple programs are scheduled at your location, it is ideal that the instructor be set up in one room and participants be brought in, otherwise allow 15 minutes between programs**
- **Class teacher/instructor must remain in room for duration of program**

