

# COLORFUL CHEMISTRY

## KEY CONCEPTS

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Review with your students before your visit. Students should be familiar with basic lab techniques such as using a microscope and following written lab procedures.

### **CHEMISTRY**

The science that deals with what substances are made of, their properties and how substances change when combined with other substances.

### **ELECTRON**

The negatively charged parts of an atom.

### **FIRE TRIANGLE**

A model for understanding what is needed to create a fire: fuel, oxygen and ignition. To extinguish a fire, you must eliminate one of the “sides” of the fire triangle.

### **ATOM**

The basic structure of a chemical element. Atoms contain protons and neutrons within a nucleus; electrons surround the nucleus.

### **CATALYST**

A substance that helps speed up a chemical reaction.

### **CHEMICAL**

One of the 106 known elements; also, any of the compounds that these elements may form.

### **CHEMICAL REACTION**

Two or more substances interact and a new substance is created.