

## Teacher Lesson 7: States of Matter

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### Next Generation Science Standards

#### *Grade 2. Matter and its Interactions*

2-PS1.A: Structure and Properties of Matter ▪ Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties.

2-PS1.B: Chemical Reactions ▪ Heating or cooling a substance may cause changes that can be observed. Sometimes these changes are reversible, and sometimes they are not.

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Talk with your students about the states of matter: solid, liquid, gas.  
Which ones can you see? What could you look at using Flexi-Scope?

Collect solid and liquid items for students to study using Flexi-Scope.

These could be various solids: rocks, sea shells, ruler, pencil, notebook, etc.

Liquids to look at include water, juice, milk, etc.

You can show the chemical reaction of heating using an ice cube. How do its properties change over time when heated (even just left to melt at room temperature)?

Let students explore these states of matter with various objects using Flexi-Scope.

