

# 5th Grade Science

## PARENT GUIDE - UNIT 2



**IMPORTANT CONCEPTS YOUR STUDENT SHOULD KNOW AND ACTIVITIES TO DO AT HOME**

### Unit 2: Changes in Matter

#### Important Concepts Addressed in this Unit

**S5P1. Obtain, evaluate, and communicate information to explain the differences between a physical change and a chemical change.**

a. Plan and carry out investigations of physical changes by manipulating, separating and mixing dry and liquid materials.

b. Construct an argument based on observations to support a claim that the physical changes in the state of water are due to temperature changes, which cause small particles that cannot be seen to move differently.

c. Plan and carry out an investigation to determine if a chemical change occurred based on observable evidence (color, gas, temperature change, odor, new substance produced).

I can explain the difference between a physical and chemical change.

I can investigate physical changes by separating and mixing dry and liquid materials.

I can support a claim that the physical changes in the state of water are due to temperature changes.

I can determine if a chemical change occurred based on observable evidence (color, gas, temperature change, odor, new substance produced).

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Key Words To Know	How You Can Help Your Student
<p><b>Matter</b>-anything that has mass and takes up space</p> <p><b>Mass</b>-the amount of matter in an object</p> <p><b>Physical Property</b>-A trait or characteristic that you can observe or measure that describes an object such as color, shape, or texture</p> <p><b>Physical Change</b>-A change in which a substance remains the same and no new substance forms</p> <p><b>Mixture</b>-A combination of two or more different substances</p> <p><b>Solution</b>-a mixture in which one substances dissolves in another</p> <p><b>Change of State</b>-A physical change that occurs when matter changes from one state to another due to a change in temperature, such as liquid to a gas</p> <p><b>Chemical Change</b>-A change in which a new substance or types of matter form</p> <p><b>Chemical Property</b>-A property that involves the ability of a substance to react with other substances in a certain way</p>	<p><b>Interactive Learning Games:</b> Playing games is a wonderful way to practice skills at home in a fun environment.</p> <p><b>Study Vocabulary</b>- Study vocabulary nightly with your child from this parent guide.</p> <p>Websites:</p> <p>**All vocabulary words and articles/activities read and completed during class can be on the google classroom, which can be accessed at home anytime.</p> <p><a href="http://www.ducksters.com/">http://www.ducksters.com/</a></p> <p><a href="https://www.brainpop.com/">https://www.brainpop.com/</a></p> <p><a href="https://jr.brainpop.com/">https://jr.brainpop.com/</a></p>