

## Library Services Library Lesson

<b>Topic</b>	Students will research the properties of matter in Britannica School Encyclopedia. They will access articles, images, videos, and web's best sites to take notes and compile their research to complete their exit ticket.
<b>Grade</b>	5
<b>Essential Question(s)</b>	<ol style="list-style-type: none"> <li>1. What is matter?</li> <li>2. What are the properties of matter?</li> <li>3. How can you describe matter based on its physical properties?</li> <li>4. What is the difference between a physical and a chemical property of matter?</li> </ol>
<b>Learning Objectives</b>	<ol style="list-style-type: none"> <li>1. I can define matter.</li> <li>2. I can describe the properties of matter.</li> <li>3. I can describe matter based on its physical properties.</li> <li>4. I can define and give an example of a physical property.</li> <li>5. I can define and give an example of a chemical property.</li> </ol>
<b>Lesson</b>	<p>The teacher will ask the following: What is matter? and Can you name and describe one type of matter? The teacher will lead a class discussion to define, describe, and give examples of the properties of matter, before the students begin their research. She will explain that today you will research the physical properties of mater. Next, the teacher will review with the students how to login to CLEVER. Students will scroll down or click Library Services in the left-side menu and click on Britannica School. The teacher will demonstrate how to use the icon buttons (Send to, Favorites, Print, Cite, Translate, Listen, Font up, and Font down) available in all articles to help them navigate both encyclopedia articles. She will show them additional features (Table of Contents, Did you Know? and Related Sources to view age-appropriate vetted websites. Finally, the teacher will explain the Exit Ticket assignment before sending each student to a computer. Each student will login to Clever and repeat the steps above. Each student will type matter in the search bar and click matter (physics) to view the article. Students will select the article Reading Level or they can read both articles. As they read, the article(s) they will take</p>

	notes on the handout provided by the teacher. Students will also view the related content to complete their research. When the student has finished taking notes, they will complete the Exit Ticket.
<b>Standards</b>	<p><u>NG ELA 5R1</u>: Locate and refer to relevant details and evidence when explaining what a text says explicitly/implicitly and make logical inferences.</p> <p><u>NG Science – 5PS1-4</u>: Conduct an investigation to determine whether the mixing of two or more substances results in a new substance.</p> <p><u>ISTE 3a</u>: Students plan and employ effective research strategies to locate information and other resources for their intellectual or creative pursuits.</p> <p><u>Empire State Information Fluency Continuum (ESIFC):</u>  <u>Standard 1: Inquiry and Design Thinking</u>  <u>1.1: Investigate</u>  <u>5.12: Notetaking to Answer Questions</u></p>
<b>Assessment</b>	Exit Ticket: Suppose you are a scientist who has discovered a new substance; write a report to describe in detail its physical properties. Draw an illustration of your new substance and make a list of its physical properties.

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Library and Information Science

Ms. Westphal

**Notetaking to Answer Questions**

<b>Topic:</b>	<b>Key Question:</b>	<b>Key Question:</b>	<b>Key Question:</b>
<b>Resource:</b>	<b>Evidence:</b>	<b>Evidence:</b>	<b>Evidence:</b>
<b>Evaluation of Evidence:</b>			

**Empire State Information Benchmark Skills**

**Investigate 5:12**

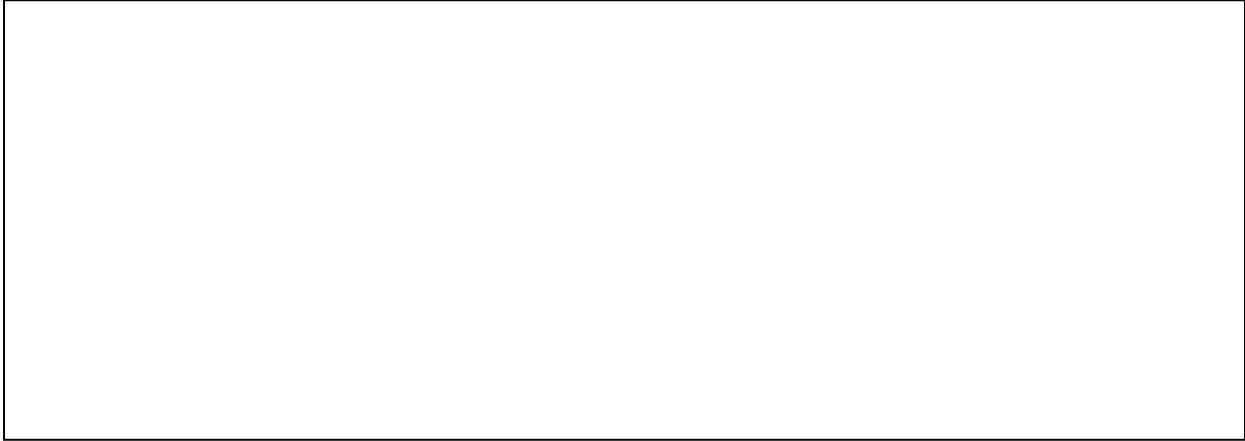
Name: \_\_\_\_\_

Class: \_\_\_\_\_

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**Draw an illustration of your new substance. Make a list of its physical properties.**



**Suppose you are a scientist who has discovered a new substance; write a report to describe in detail its physical properties.**
