

<b>Content:</b> Science	<b>Grade/Course:</b> 5th	<b>Timeline:</b> 1 week (45 minutes each)
<b>Standard(s):</b> GDOE <b>5.3.1</b> Investigate that when liquid water disappears, it has turned into a gas that is mixed into the air and can reappear as a liquid or as a solid if cooled below its freezing point.		
<b>Lesson Overview:</b> <ul style="list-style-type: none"> <li>Apply an understanding of properties of matter.</li> <li>Apply an understanding of characteristics of different types of matter.</li> </ul>	<b>Lesson Objective(s):</b> I CAN STATEMENTS In this lesson, students will <ul style="list-style-type: none"> <li>Recognize that matter is anything that has mass and takes up space.</li> <li>Conclude that an object's physical properties remain constant and can be used to identify it.</li> </ul>	
<b>Vocabulary:</b> Matter, solid, liquid, gas, molecules, mass, and physical and chemical properties.	<b>Focus Question(s):</b> What is the difference between solid, liquid, and gas properties of matter.	

<b>Description of Lesson (Including Instructional Strategies):</b> <b>Day 1</b> Teacher will introduce the three types of matter using the powerpoint intro to matter and go over the vocabulary words. Students will take notes. <b>Day 2</b> Teacher will review the three types of matter. Teacher will go over how mass can be measured. Teacher will introduce density and volume using the powerpoint matter 2. <b>Day 3</b> Teacher will go over useful properties of matter and the difference between physical and chemical properties using the powerpoint matter 2. <b>Day 4-5</b> Teacher will go over pages E4-E11 on the science textbook. Students will do workbook pages 263-264 and review questions on page E11.  <b>Closure</b> Teacher will pick random students to reflect on what they have learned from today's discussion <b>Guided Practice:</b> Teacher will ask students oral questions pertaining to the experiment.  <b>Formative Assessment:</b> Cues and Questions Check for Understanding (Thumbs Up, Middle, or Down) <b>Accommodations/Modifications</b> Cooperative Learning Environment Visual Aids <b>Resources</b> Harcourt Science
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<b>Content:</b> Science	<b>Grade/Course:</b> 5th	<b>Timeline:</b> 1 week (45 minutes each)
<b>Standard(s):</b> GDOE <b>5.3.7</b> Investigate and explain that when warm objects are put with cool objects, the warm objects lose heat and the cool objects gain heat until they are all at the same temperature.		
<b>Lesson Overview:</b> <ul style="list-style-type: none"> <li>Apply an understanding of atoms and elements.</li> <li>Apply an understanding of how elements are grouped in a periodic table.</li> </ul>	<b>Lesson Objective(s):</b> I CAN STATEMENTS In this lesson, students will <ul style="list-style-type: none"> <li>Identify an atom and its major parts.</li> <li>Describe an element.</li> <li>Describe and compare the properties of metals.</li> </ul>	
<b>Vocabulary:</b> Nucleus, proton, neutron, electron, element, atom, molecule, periodic table & compound.	<b>Focus Question(s):</b> What is matter made up of? What are atoms made up of? How are compounds formed?	

**Description of Lesson (Including Instructional Strategies):**
**Day 1/2**

Teacher will play the following youtube videos to introduce atoms:

<https://www.youtube.com/watch?v=LMvaun-FtAo>

<https://www.youtube.com/watch?v=JcZNVVtUqDU>

Teacher will go over atoms and elements on pages E38-E41.

Before moving on to explaining about metals, teacher will show the following youtube video:

<https://www.youtube.com/watch?v=c6oK5KMDf1g>

Students will answer the review questions on E43 and lesson 1 on workbook page WB276.

**Day 3/4**

Teacher play the following youtube video: <https://www.youtube.com/watch?v=VgVQKCcfwnU>

Teacher will go over E46 through E49.

Students will do review questions on pg E49 and lesson 2 on workbook page WB276.

Students will practice and sing the periodic table:

Lyrics:

There's Hydrogen and Helium

Then Lithium, Beryllium

Boron, Carbon everywhere

Nitrogen all through the air

With Oxygen so you can breathe

And Fluorine for your pretty teeth

Neon to light up the signs

Sodium for salty times

Magnesium, Aluminium, Silicon

Phosphorus, then Sulfur, Chlorine and Argon

Potassium, and Calcium so you'll grow strong

Scandium, Titanium, Vanadium and Chromium and Manganese

**CHORUS**

This is the Periodic Table

Noble gas is stable

Halogens and Alkali react aggressively

Each period will see new outer shells

While electrons are added moving to the right

**Day 5**

Students will do WB286-287 and chapter 2 review on pg. E54-E55

**Closure**

Teacher will pick random students to reflect on what they have learned from today's discussion

**Guided Practice:**

Teacher will ask students oral questions pertaining to the experiment.

**Formative Assessment:**

Cues and Questions

Check for Understanding (Thumbs Up, Middle, or Down)

**Accommodations/Modifications**

Cooperative Learning Environment

Visual Aids

**Resources**

Harcourt Science