

## What's the Matter? Science Unit Project

**Objective:** To use knowledge acquired from the science unit to complete a book about matter.

**Let's Get Started:** Each student will be responsible for creating their own picture book about the states of matter. They will categorize and classify matter in the following way:

- Solid
- Liquid
- Gas

**What the students will need to get started:** Each student will need to find pictures of solids, liquids, and gases. They will need a minimum of 12 pictures. (4 pictures of solids, 4 pictures of liquids, and 4 pictures of gases.) Once the pictures are found, each student will classify them under the appropriate state of matter. They will also be responsible for labeling each picture as **an element, compound, mixture, or solution**.

**What will the book look like?** Each student will decide how they want to organize their picture book. For example, each section can be organized into states of matter, with subcategories of elements, compounds, mixtures, and solutions. **\*Students do not need to have a specific number of elements, compounds, mixtures or solutions.** The book will need a cover with the possible title "*What's the Matter?*" Each page should have a labeled picture or illustration, with an explanation as to why and/or how it is an element, compound, mixture, or solution. Students may include page numbers, a table of contents, or anything else that they find appropriate.

**Project due date:** March 18<sup>th</sup>. To keep a timeline each student can do the following:

1. Find all pictures for the book by Mar. 1<sup>st</sup>.
2. Begin creating all book pages on Mar. 2<sup>nd</sup>-9<sup>th</sup>.
3. Mar. 10<sup>th</sup> be sure to check that all pages are labeled and edit your explanations.
4. From Mar. 11<sup>th</sup>-15<sup>th</sup>, put your book together and create a unique cover.
5. Mar. 16<sup>th</sup> add some finishing touches and read your book to a few family members.
6. Turn in your project on Mar. 18<sup>th</sup>.

**Have fun and good luck!**

## *What's the Matter? Rubric*

1. Content: The book includes excellent information gathered from a variety of sources. All the elements, such as captions for illustrations, are concise and informative.

Possible Points: 15

Earned Points:

2. Organization: The book is well organized and conveyed in a logical order. Each main point is supported by interesting and appropriate details. The book is easy to follow.

Points Possible: 15

Earned Points:

3. Spelling, Grammar and Neatness: The written material is very neat and attractively presented. Students use correct spelling and grammar.

Points Possible: 15

Earned Points:

4. Visual Display: The book conveys accurate information. Students convey a highly innovative approach when creating their book.

Possible Points: 10

Earned Points:

5. Drawing and Labeling: Students are very careful and neat when they render their display. All necessary parts are clearly labeled.

Possible Points: 10

Earned Points:

Total Points Possible: 65

Total Points Earned: \_\_\_\_\_

