ELEMENT PLACEMATS

Science Anchors

Science anchors are ongoing engaging tasks that students can work on independently. They are curriculum based, clearly defined and differentiated for students. Students can work on science anchors as they complete work at varying rates, when the teacher is working with a small groups of students, at the beginning or end of a class period, or when they are waiting for teacher assistance. Sample science anchor tasks include: reading and responding to text, journaling, learning or interest centers, listening or viewing centers, independent research or projects and hands-on minds-on science kit tasks. Provide a variety of anchor tasks at your anchor station to address the diverse learning styles, interests, and readiness levels of your students.

Purpose

Students that have a strong understanding of elements complete the Placemat A task to deepen their understanding of a chemistry related principle of interest. Students that are still learning about elements complete the Placemat B task to deepen their understanding of elements.

Placemat A	Placemat B
Part I • What Chemistry principle ties the images together? • Recommend other images that could be added to this placemat. Part II • Create a placemat on another Chemistry related principle. • Have three of your peers analyze your placemat. • Use peer feedback to modify your placemat. • Test your teacher's thinking.	• What Chemistry principle connects all of these pictures? • What could the title of the placemat be? • Write a paragraph to explain your thinking.

Element Placemats

Overview

This task is to be used by students in science as they are learning about elements and other Chemistry related principles.

Placemat Format:

Provides an opportunity for students to analyze a set of images to determine how they are connected.

Goals

Students should be familiar with

the names and symbols of the elements in the Periodic Table

Students should understand

all matter is made of elements or combinations of elements.

Students should be able to

describe that all matter is made up of elements or combinations of elements.

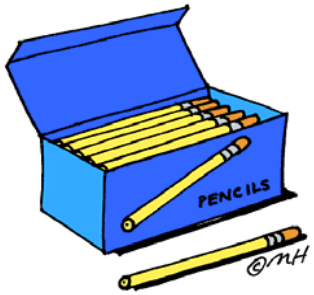
Required Resources

- One placemat A or B resource page per student
- Blank paper for student notes and responses

Engage

Show the "The Periodic Table Song" video segment created by students in Nebraska at the link below to introduce this anchor task.

http://www.youtube.com/watch?v=FbzXXpsmfWY



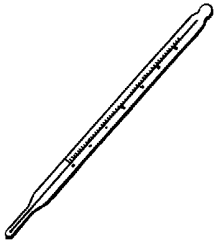
Placemat A

Part I

- What Chemistry principle ties these images together?
- Recommend other images that could be added to this place-mat.

Part II

- Create a placemat on another Chemistry related principle.
- Have three of your peers analyze your placemat.
- Use peer feedback to modify your placemat.
- Test your teacher's thinking.



Placemat B

- What Chemistry principle connects all of these pictures?
- What could the title of the placemat be?
- Write a paragraph to explain your thinking.