

The Periodic Table of Elements

Choose 4 of the following activities to complete. Summarize what you learned.

SC.8.P.8.6 :Recognize that elements are grouped in the periodic table according to similarities of their properties.

Resource ID#: 53122 Primary Type: Video/Audio/Animation

Educational Games

The Element Game: The computer will randomly pick an element and present the student with that element's data from the Periodic Table of Elements. They will use that information to answer the question that the computer asks about the number of protons, neutrons, electrons or nucleons (particles in the nucleus) that an atom of that element contains.

<http://education.jlab.org/itselemental/>

Virtual Manipulatives

Periodic Table: This unique periodic table presents the elements in an interesting visual display. Select an element to find an image of the element, a description, history, and even an animation. Other chemical data is linked as a PDF file (requires Acrobat Reader).

<http://www.rsc.org/chemsoc/visualelements/pages/pertable fla.htm>

Video/Audio/Animations

Alkali Metals in Water: This short YouTube video offers an amusing means for students to learn about the way alkali metals react in water. When teaching trends of the Periodic Table this video works well emphasizing similar properties of groups. <https://www.youtube.com/watch?v=m55kgyApYrY>

Element Word Scramble: Students test their knowledge about the names of elements and learn some of their properties through the hint provided with each scrambled

word <http://education.jlab.org/elementwordscramble/index.html>

The Periodic Table of Elements: This interactive periodic table provides a good tool for teachers to obtain a historic background about the nature and properties of the elements. <http://www.periodicvideos.com>

Element Flash Cards: This game tests students' knowledge about elements, such as their symbols, atomic numbers, and names. <http://education.jlab.org/elementflashcards/index.html>

Element Matching Game: Students match the names of elements of the periodic table with their symbols

<http://education.jlab.org/elementmatching/>

Awesome Periodic Table: This awesome periodic table tells you how to use all those elements.

<http://www.sciencealert.com/this-awesome-periodic-table-tells-you-how-to-actually-use-all-those-elements>

