



Resumé of an element

Annotation

This is a worksheet that addresses properties of atoms and the periodic table. The lesson was developed for a Physical Science class. The worksheet is completed from information gathered on a specific internet site, www.webelements.com. The intention is to take a class to the library and allow students to each fill out their own worksheet on a different element.

Primary Learning Outcome:

After the lesson is completed, students should be able to identify elements on the periodic table and list properties of the element such as atomic mass, atomic number, group number, melting point, boiling point, and metal or nonmetal.

Additional Learning Outcomes:

Students will also be familiar with the use of a computer and the internet.

Assessed QCC:

Atomic Theory/Configuration
Periodicity

Total Duration:

Thirty minutes

Materials and Equipment:

Computer with internet access

Technology Connection:

Computer with internet access

Web Links:

Title:

Web Elements

URL:

www.webelements.com

Annotation:

Web Elements is a site dedicated to the periodic table and elements. The links on the left will guide students to the answers to the worksheet questions. Several elements contain video clips of chemical reactions and cartoons.

Assessment:

The worksheet will be graded for completion and correctness. The teacher may choose to assign one element to all of the students or give each student a different element.

Extension:

A more advanced worksheet is also included. This may be used in a Chemistry class.



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Physical Science

Go to www.webelements.com to complete this exercise.

Key Data

Element Name _____

Nickname (symbol) _____

Weight (atomic mass) _____

Social Security Number (atomic number) _____

Family (group name and number) _____

General Appearance (description) _____

Gender ___Metal ___Nonmetal

Children (number of subatomic particles)

___Protons ___Neutrons ___Electrons

Personal History

Origin of Name _____

Date of Birth (year discovered) _____

Yes No

___ ___ Man-made

___ ___ Natural

Personal Data (Physical Properties)

Phase of Matter (at room temperature) _____

Melting Point _____

Boiling Point _____

Family

Elements in the same group _____

Positions for which the element is qualified (**Uses** of the element, products made from it, etc. List at least three.

