



Adopt an element baby book assignment

Congratulations you are the proud parent of a new baby element from the Periodic Table!

As a proud parent of your element, you will research information on your adopted element to create a baby book documenting each stage of your baby's life. The baby book will include pertinent information such as:

Name of element *Nickname of element (Symbol)* *Birth date (date of discovery)*

Race (type of element) *Birth weight (atomic mass)* *Birth height (atomic number),*

Family Name (family or group) *Obstetrician (Discoverer)*

Place of birth (country of discovery) *Acrostic Poem about Element*

Gender (state of matter at room temperature.)

Personality (emotions: boiling point, density and melting point)

DNA (Chemical Properties: does it react with acid, etc)

Picture of element (Construct a Bohr Model of Element)

Family Portrait (Bohr Model of all elements in this atomic family),

Brothers and Sisters (Names of all family members from the periodic table)

Career of element (what their element will become when it grows up) and

Pictures of career (pictures of products that use/ are made of your element)

Some useful places to start!

There is plenty of information out there on the Internet. Here is a list of places to start:

<http://www.webelements.com/>

http://en.wikipedia.org/wiki/Periodic_table

<http://www.chemcool.com/>

<http://periodic.lanl.gov/what.htm>

<http://web.jjay.cuny.edu/~acarpi/NSC/4-pertab.htm>



Marking Guide

	A	B	C	D
Content	<i>All sections of the baby book are complete and detailed explanations have been provided.</i>	<i>All sections of the baby book have been completed but some sections are too brief</i>	<i>An attempt has been made to complete all sections of the baby book - some explanations may be too brief</i>	<i>The baby book has not been completed and key information is missing and/or incorrect</i>
Picture	<i>Element picture has correct number of electrons, protons and neutrons and atomic number represented in a creative, colourful outstanding picture</i>	<i>Element picture has correct number of electrons, protons and neutrons and atomic number represented in a colourful picture</i>	<i>Element picture has some incorrect number of electrons, protons and neutrons and atomic number represented in a picture</i>	<i>Element picture may have incorrect data or lack colour and clarity</i>
Family Information	<i>All family members are listed correctly in a creative way</i>	<i>All family members are listed correctly</i>	<i>One or more family members are not correctly listed</i>	<i>Few family members are correctly listed</i>
Portrait (Bohr Models)	<i>All Bohr models for family members have been completed. The model clearly identifies protons, neutrons and electrons.</i>	<i>Bohr models have been completed but subatomic particles have not been identified.</i>	<i>1 or 2 Bohr models have been completed - some key information may be missing</i>	<i>Bohr models are incomplete and incorrect</i>

