

# Chemistry Midterm Study Guide

**Periodic Table of the Elements**

The periodic table is color-coded as follows:

- Metals:** Shaded in light blue.
- Nonmetals:** Shaded in light green.
- Metalloids:** Shaded in light purple.
- Transition Metals:** Shaded in light red.
- Inner Transition Metals:** Shaded in light orange.
- Hydrogen:** Shaded in light yellow.
- Other:** Shaded in light grey.

Electronegativity increases from left to right, as indicated by the arrow at the bottom of the table.

- Period** - is horizontally row of elements in the periodic table  
ex - Chlorine has period 3 and aluminum, sulfur and chlorine are
- Group** - is vertically row of elements in the periodic table  
ex - Fluorine has period 2 and chlorine, bromine, iodine and astatine are
- Electronegativity** - atom's tendency that you see increases as you move right and up  
and you measure electronegativity period, column and location
- Electron Affinity** - The ability or tendency of an atom to gain or lose electrons  
and you know, work, reactivity, electronegativity, energy, ionization

# High School Chemistry Midterm Study Guide

**M Carnoy**



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1.I CAN Utilize appropriate scientific vocabulary to explain scientific concepts. 2.I CAN Distinguish between fission ... Matter and Change • Chapter 25 When a radioactive nucleus gives off a gamma ray, its atomic number increases by. 12. The three types of radiation were first identified by Ernest Rutherford. Nuclear Chemistry - Lake Central High School Jul 12, 2015 — What is the change in atomic number after the alpha decay? It decreases by 2. b. ... answer the following questions. <strong>Nuclear</strong> ... 25.2 Nuclear Transformations | Lecture notes Chemistry These nuclei decay by turning a neutron into a pro- ton to emit a beta particle (an electron) from the nucleus. This process is known as beta emission. It ... 60 s - 1 min SECTION 25.2 NUCLEAR TRANSFORMATIONS. 1. Write a nuclear equation for the following radioactive processes. a. alpha decay of francium-208  $^{208}\text{Fr} \rightarrow \text{b}$  ... The Depression and Bipolar Disorder Update (Disease ... Amazon.com: The Depression and Bipolar Disorder Update (Disease Update): 9780766028012: Silverstein, Alvin, Silverstein, Virginia B., Nunn, ... The Depression and Bipolar Disorder Update (Disease ... The book includes practical sidebars and chapters highlight individuals who struggle with these disorders. Depression can happen to anyone at any time, making ... An Update on Treatment of Bipolar Depression Aug 11, 2020 — Nierenberg's primary research interests are treatment resistant depression, bipolar depression, and the longitudinal course of mood disorders. Bipolar depression: a major unsolved challenge - PMC by RJ Baldessarini · 2020 · Cited by 151 — Depression in bipolar disorder (BD) patients presents major clinical challenges. As the predominant psychopathology even in treated BD, ... Depression and Bipolar Support Alliance: DBSA Living with depression or bipolar disorder? Find free support groups, resources, and wellness tools. Management of Bipolar Depression - PMC by JS Chang · 2011 · Cited by 10 — To date, bipolar depression is often misdiagnosed and ineffectively managed both for acute episodes and residual symptoms. An Update on Treatment of Bipolar Depression - YouTube Depression Preceding Diagnosis of Bipolar Disorder by C O'Donovan · 2020 · Cited by 44 — This paper focuses on depression that precedes an onset of manifest bipolar disorder as early stage bipolar disorder. First, we review how ... Depressive disorder (depression) Mar 31, 2023 — Depressive disorder (also known as depression) is a common mental disorder. It involves a depressed mood or loss of pleasure or interest in ...