

Welcome to Chemistry!

2018-2019



PERIOD 1, 2, 3, 4, 5, 6
MRS. FARMER

CONTACT INFORMATION:
SFARMER@DVHIGH.NET

925-479-6400
ROOM 2212

Communication



- E-mail: sfarmer@dvhigh.net
- Phone: 925-479-6400
 - You will reach my Voicemail during class hours. I return calls either at lunch or after school.
- Check School Loop and class website for updates
Usually respond within 48 hours... I try to by the end of the school day.

Thank you for coming!!!

School Loop



- Go to: <http://dvhs.schoolloop.com>
- Click on the “register” button.
- Fill in your information.
- Monitor your student’s progress in all of their classes.
- Email any of your students teachers whenever you have a question.

Can you or your company donate???



PLEASE consider donating to the Dougherty Education Fund!

<http://www.dvhigh.net/edfund>

- Science supplies
 - Nitrile gloves
 - Chemicals
 - Old equipment or glassware
 - Old lab coats
 - Etc...
- Household supplies
 - Plastic ziplock bags – all sizes
 - Plastic spoons
 - Plastic cups

Thank you!!!

The Chemistry teachers would like to thank you so much for the generous donations that have been given to our classes so far.

Our program will benefit greatly from your contributions!

Where I'm from...



- Raised in Half Moon Bay, California
- BA in Chemistry from Lewis and Clark College, Portland Oregon
- Masters in Inorganic Polymer Chemistry, University of Oregon, Eugene Oregon



Course Description



- One year class for students planning to attend a **four-year college or university.**
- Lectures, discussions, laboratory experiments, written work, presentations, research, etc.
- This course meets the state and district content standards for chemistry.

Examples of Possible Content Areas Covered

- Atomic nature of matter
- Energy/Thermodynamics
- Chemical bonding
- Chemical reactivity
- Equilibrium
- Molecular geometry
- Chemical dynamics
- Intermolecular forces
- Solutions
- Electrochemistry



DVHS Chemistry Success



- **HARD WORK!!!**
- Commitment inside and outside of class time.
- Can be a bit of a shock for students...encourage them to just keep pushing forward!!!
 - They can ALL do it!!!
- Ask to look at their notebooks! Help them be accountable for their effort and take pride in their work.
 - Please!!!



My Class Website



www.mychemistryclass.net

Mrs. Farmer's Chemistry Class Website

- Home
- Calendar
- Notebook
- QR Code Videos
- Labs
- Resources
- About Your Chem Class
- Honors Chem
- About Mrs. Farmer

Welcome to your class website!

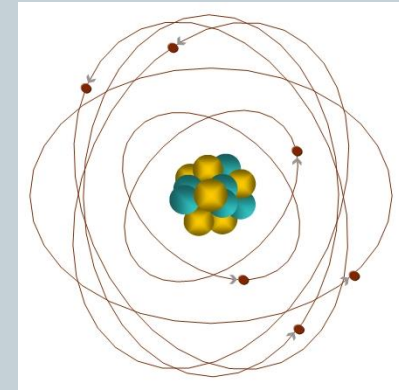
This is your Chemistry class website! Please use this website to find information about the class, learning resources, homework assignments, and files for downloading and/or

Announcements!

- Click [HERE](#) for the Regular Chem Syllabus
- Click [HERE](#) for the

What's coming up???

- Atomic Structure
- Nuclear Chemistry
- The Periodic Table



Periodic Table of the Elements

oxford LABS

atomic number atomic weight

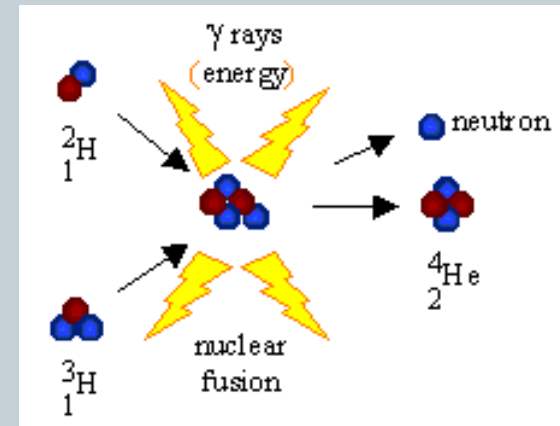
symbol: black solid blue liquid red gas white synthetically prepared most stable isotope

name

alkali metals
alkaline earth metals
transitional metals
other metals
nonmetals
noble gases

1 1.01 H Hydrogen	2 4.00 He Helium																
3 6.94 Li Lithium	4 9.01 Be Beryllium											14 28.09 Si Silicon	15 30.97 P Phosphorus	16 32.06 S Sulfur	17 35.45 Cl Chlorine	18 39.95 Ar Argon	
11 22.99 Na Sodium	12 24.31 Mg Magnesium											31 69.72 Ga Gallium	32 72.64 Ge Germanium	33 74.92 As Arsenic	34 78.96 Se Selenium	35 79.90 Br Bromine	36 83.80 Kr Krypton
19 39.10 K Potassium	20 40.08 Ca Calcium	21 44.96 Sc Scandium	22 47.88 Ti Titanium	23 50.94 V Vanadium	24 51.96 Cr Chromium	25 54.94 Mn Manganese	26 55.85 Fe Iron	27 58.93 Co Cobalt	28 58.93 Ni Nickel	29 63.55 Cu Copper	30 65.37 Zn Zinc	49 114.82 In Indium	50 118.71 Sn Tin	51 127.40 Sb Antimony	52 127.60 Te Tellurium	53 126.91 I Iodine	54 131.30 Xe Xenon
37 85.47 Rb Rubidium	38 87.62 Sr Strontium	39 88.91 Y Yttrium	40 91.22 Zr Zirconium	41 92.91 Nb Niobium	42 95.94 Mo Molybdenum	43 98.91 Tc Technetium	44 101.07 Ru Ruthenium	45 101.07 Rh Rhodium	46 106.42 Pd Palladium	47 107.87 Ag Silver	48 112.41 Cd Cadmium	81 204.37 Tl Thallium	82 207.19 Pb Lead	83 208.98 Bi Bismuth	84 209 Po Polonium	85 209 At Astatine	86 222 Rn Radon
55 132.91 Cs Cesium	56 137.33 Ba Barium	57 138.91 La Lanthanum	72 178.49 Hf Hafnium	73 180.95 Ta Tantalum	74 183.85 W Tungsten	75 186.21 Re Rhenium	76 186.21 Os Osmium	77 188.91 Ir Iridium	78 193.08 Pt Platinum	79 196.97 Au Gold	80 200.59 Hg Mercury	113 (113) Nh Nihonium	114 (114) Fl Flerovium	115 (115) Mc Moscovium	116 (116) Lv Livermorium	117 (117) Ts Tennessine	86 (118) Og Oganesson
87 223 Fr Francium	88 226 Ra Radium	89 227 Ac Actinium	104 (104) Rf Rutherfordium	105 (105) Db Dubnium	106 (106) Sg Seaborgium	107 (107) Bh Bohrium	108 (108) Hs Hassium	109 (109) Mt Meitnerium	110 (110) Ds Darmstadtium	111 (111) Rg Roentgenium	112 (112) Cn Copernicium						
58 140.12 Ce Cerium	59 140.91 Pr Praseodymium	60 144.24 Nd Neodymium	61 150.36 Pm Promethium	62 151.96 Sm Samarium	63 157.25 Eu Europium	64 158.93 Gd Gadolinium	65 162.50 Tb Terbium	66 164.93 Dy Dysprosium	67 167.26 Ho Holmium	68 168.93 Er Erbium	69 173.05 Tm Thulium	70 175.04 Yb Ytterbium	71 174.97 Lu Lutetium				
90 232.04 Th Thorium	91 231.04 Pa Protactinium	92 238.03 U Uranium	93 237.05 Np Neptunium	94 238.03 Pu Plutonium	95 244.06 Am Americium	96 247.07 Cm Curium	97 247.07 Bk Berkelium	98 251.08 Cf Californium	99 252.08 Es Einsteinium	100 257.10 Fm Fermium	101 259.10 Md Mendelevium	102 259.10 No Nobelium	103 261.10 Lr Lawrencium				

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Dougherty
Valley High
School
Grading
Policy

- Aligned with the DVHS Grading Policy:
 - I do not offer extra credit.
 - I do not accept late work.
 - There are no A+'s
 - Grading scale is universal across the curriculum.

Department Collaboration



- Collaboration with colleagues to develop curriculum
- Common pacing
- Formative/Summative assessments