

# Assignment Packet

## Physical Science - Chapter 7

### Elements & The Periodic Table

Name \_\_\_\_\_

Block \_\_\_\_\_

**Directions:**

- All parts of this assignment packet must be turned in on the day of the test or it will be counted late. This packet will be counted worth 100 points, the first 80 are required work, you may choose for the final 20 points.
- All parts of this assignment sheet must be turned in by the day of the test or it will be counted late. Late work is graded down one grade (10 pts) for each day it is late.
- Place the correct heading(name, offering and date) on each page and on the title page (this one)
- Place all the papers in the proper order (the order shown on this page), place this sheet on top and staple them together in the upper left hand corner.

Mark off the assignments that you have completed.

*All of the following work is required. Completing it accurately is worth 80 points.*

Online	Paper		Pages in book
		Bringing it to the Periodic Table	
		Section Review 7.1, p. 144, 9 questions	p. 144
		Section Review 7.2, p. 151, 12 questions	p. 151
		Assessment, Vocabulary, p. 155, questions 1 - 17	p. 155
		Assessment, Concepts, p. 155 - 156	p. 155-156

*Each of the following assignments is worth 5 points.*

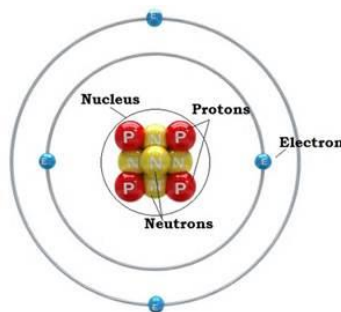
	Assessment, Problems - 4 questions	p. 156
	Believe it or not	
	Worksheet - Periodic Questions	

*Each of the following assignments is worth 10 points.*

	Alien Periodic Table
	Make your own "periodic" table on a piece of construction paper, use household items that fall into a repeating pattern, write a short paper on the properties in each period and group.

Due Date \_\_\_\_\_

Place your answer to Periodic Questions #5 here.



### Periodic Table of Elements

at 25°C, 1 atm (101.3 kPa)

Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18							
1	<b>H</b> Hydrogen 1.008	<b>Li</b> Lithium 6.941	<b>Na</b> Sodium 22.990	<b>K</b> Potassium 39.098	<b>Rb</b> Rubidium 85.468	<b>Cs</b> Cesium 132.905	<b>Fr</b> Francium (223.018)							<b>Ra</b> Radium (226.025)											
2			<b>Be</b> Beryllium 9.012	<b>Mg</b> Magnesium 24.305	<b>Ca</b> Calcium 40.078	<b>Sr</b> Strontium 87.620	<b>Ba</b> Barium 137.327	<b>Ra</b> Radium (226.025)										<b>Po</b> Polonium (209)	<b>At</b> Astatine (210)	<b>Tl</b> Thallium (204.387)	<b>Pb</b> Lead (207.2)	<b>Bi</b> Bismuth (208.980)	<b>Po</b> Polonium (209)	<b>At</b> Astatine (210)	<b>Rn</b> Radon (222)
3			<b>B</b> Boron 10.811	<b>Al</b> Aluminum 26.982	<b>Ga</b> Gallium 69.723	<b>In</b> Indium 114.818	<b>Tl</b> Thallium (204.387)	<b>Pb</b> Lead (207.2)	<b>Bi</b> Bismuth (208.980)	<b>Po</b> Polonium (209)	<b>At</b> Astatine (210)	<b>Rn</b> Radon (222)													
4			<b>C</b> Carbon 12.011	<b>Si</b> Silicon 28.086	<b>Ge</b> Germanium 72.630	<b>Sn</b> Tin 118.710	<b>Pb</b> Lead (207.2)	<b>Bi</b> Bismuth (208.980)	<b>Po</b> Polonium (209)	<b>At</b> Astatine (210)	<b>Rn</b> Radon (222)														
5			<b>N</b> Nitrogen 14.007	<b>P</b> Phosphorus 30.974	<b>As</b> Arsenic 74.922	<b>Sb</b> Antimony 121.757	<b>Te</b> Tellurium (127.603)	<b>I</b> Iodine (126.905)	<b>Xe</b> Xenon (131.29)	<b>Rn</b> Radon (222)															
6			<b>O</b> Oxygen 15.999	<b>S</b> Sulfur 32.06	<b>Se</b> Selenium 78.96	<b>Te</b> Tellurium (127.603)	<b>I</b> Iodine (126.905)	<b>Xe</b> Xenon (131.29)	<b>Rn</b> Radon (222)																
7			<b>F</b> Fluorine 18.998	<b>Cl</b> Chlorine 35.453	<b>Br</b> Bromine 79.904	<b>I</b> Iodine (126.905)	<b>Xe</b> Xenon (131.29)	<b>Rn</b> Radon (222)																	
8			<b>Ne</b> Neon 20.180	<b>Ar</b> Argon 39.948	<b>Kr</b> Krypton 83.80	<b>Xe</b> Xenon (131.29)	<b>Rn</b> Radon (222)																		
9			<b>He</b> Helium 4.003														<b>He</b> Helium (4)								

**1** Solid  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**2** Liquid  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**3** Gas  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**4** Synthetic  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**1A** Alkali Metals  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**2A** Alkaline Earth Metals  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**3A** Boron Group  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**4A** Carbon Group  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**5A** Nitrogen Group  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**6A** Oxygen Group  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**7A** Halogens  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**8A** Noble Gases  
← Atomic Number  
← Atomic Symbol  
← Name  
← Atomic Mass

**Lanthanides\***  
Lanthanum, Cerium, Praseodymium, Neodymium, Promethium, Samarium, Europium, Gadolinium, Terbium, Dysprosium, Holmium, Erbium, Thulium, Ytterbium, Lutetium

**Actinides\*\***  
Actinium, Thorium, Protactinium, Uranium, Neptunium, Plutonium, Americium, Curium, Bk, Cf, Es, Fm, Md, No, Lr