

12 Weeks to TAKS – Week 10 Teacher Document

More information for students is available using the 12 Weeks to TAKS Power Point Periodic Law

Answers to Your Turn!

Element	Protons	Neutrons	Electrons	2 elements with similar properties
Chlorine-35	17	18	17	<i>F and Br</i>
Iron-56	26	30	26	<i>Ru and Os</i>
Magnesium-24	12	12	12	<i>Ca and Sr</i>
Lead-208	82	126	82	<i>Sn and Ge</i>
Nitrogen-14	7	7	7	<i>P and As</i>

1. Ammonium, NH_4^{+1} with sulfate SO_4^{-2} **$(\text{NH}_4)_2\text{SO}_4$ Ammonium sulfate**
2. Aluminum with sulfide **Al_2S_3 Aluminum sulfide**
3. Magnesium with carbonate, CO_3^{-2} **MgCO_3 Magnesium carbonate**
4. Zinc with hydroxide, OH^{-1} **$\text{Zn}(\text{OH})_2$ Zinc hydroxide**
5. Calcium with phosphate, PO_4^{-3} **$\text{Ca}_3(\text{PO}_4)_2$ Calcium phosphate**
6. Strontium with nitrate, NO_3^{-1} **$\text{Sr}(\text{NO}_3)_2$ Strontium nitrate**
7. Ammonium, NH_4^{+1} , with oxide **$(\text{NH}_4)_2\text{O}$ Ammonium oxide**
8. Potassium with sulfate, SO_4^{-2} **K_2SO_4 Potassium sulfate**
9. Copper (II) with phosphate, PO_4^{-3} **$\text{Cu}_3(\text{PO}_4)_2$ Copper (II) phosphate**
10. Lithium with chromate, CrO_4^{-2} **Li_2CrO_4 Lithium chromate**

Answers to Quiz

1. B
2. B
3. C
4. B
5. A