



## Activity 2 - Periodic Table of Mistakes

Instructions: Compare the periodic table below with your class periodic table. Find 15 mistakes and list them in the space provide.



- There are more than 15 mistake on the table.
- If this table is difficult to read, you can access an electronic copy on the links page.

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PERIODIC TABLE OF ELEMENT MISTAKES

This periodic table contains 25 different errors – some common mistakes, some subtle changes, and some that are just downright silly. Can you find them all?

H <small>HYDROGEN</small>	He <small>HELIUM</small>	Li <small>LITHIUM</small>	Be <small>BERYLLIUM</small>	B <small>BORON</small>	C <small>CARBON</small>	N <small>NITROGEN</small>	O <small>OXYGEN</small>	F <small>FLUORINE</small>	Ne <small>NEON</small>	Na <small>SODIUM</small>	Mg <small>MAGNESIUM</small>	Al <small>ALUMINIUM</small>	Si <small>SILICONE</small>	P <small>PHOSPHORUS</small>	S <small>SULPHUR</small>	Cl <small>CHLORINE</small>	Ar <small>ARGON</small>	K <small>POTASSIUM</small>	Ca <small>CALCIUM</small>	Sc <small>SCANDIUM</small>	Ti <small>TITANIUM</small>	V <small>Vanadium</small>	Cr <small>CHROMIUM</small>	Mn <small>MANGANESE</small>	Fe <small>IRON</small>	Co <small>COBALT</small>	Ni <small>NICKEL</small>	Cu <small>COPPER</small>	Zn <small>ZINC</small>	Ga <small>GALLIUM</small>	Ge <small>GERMANIUM</small>	As <small>ARSENIC</small>	Se <small>SELENIUM</small>	Br <small>BROMINE</small>	Kr <small>KRYPTONITE</small>	Rb <small>RUBIDIUM</small>	Sr <small>STRONTIUM</small>	Y <small>Yttrium</small>	Zr <small>ZIRCONIUM</small>	Nb <small>Niobium</small>	Mo <small>MOLYBDENUM</small>	Tc <small>TECHNETIUM</small>	Ru <small>RUTHENIUM</small>	Rh <small>RHODIUM</small>	Pd <small>PALLADIUM</small>	Ag <small>SILVER</small>	Cd <small>CADMIUM</small>	In <small>INDIUM</small>	Sn <small>TIN</small>	Sb <small>ANTHONY</small>	Te <small>TELLURIUM</small>	I <small>IODINE</small>	Xe <small>XENON</small>	Ba <small>BARIUM</small>	La <small>LANTHANUM</small>	Ce <small>CERIUM</small>	Pr <small>PRASEODYMIUM</small>	Nd <small>NEODYMIUM</small>	Pm <small>PROMETHIUM</small>	Sm <small>SAMARIUM</small>	Eu <small>EUROPIUM</small>	Gd <small>GADOLINIUM</small>	Tb <small>TERBIUM</small>	Dy <small>DYSPROSIUM</small>	Ho <small>HOLMIUM</small>	Er <small>ERBIUM</small>	Tm <small>THULIUM</small>	Yb <small>Ytterbium</small>	Lu <small>LUTETIUM</small>	Fr <small>FRANCIUM</small>	Cs <small>CAESIUM</small>	Ra <small>RADIUM</small>	Ac <small>ACTINIUM</small>	Ku <small>KURCHATOVIIUM</small>	Db <small>DUBNIUM</small>	Sg <small>SEABORGIUM</small>	Bh <small>BORHIUM</small>	Hs <small>HASSIUM</small>	Mt <small>METRIUM</small>	Ds <small>DAIRNSTADTIUM</small>	Rg <small>ROENTGIUM</small>	Cp <small>COPERNICIUM</small>	Nh <small>NIBOHIIUM</small>	Fl <small>FLECOVIUM</small>	Lv <small>LIUVERBERGIUM</small>	Tn <small>TENNESSEIUM</small>	Og <small>OGANESSON</small>	Th <small>THORIUM</small>	Pa <small>PROACTINIUM</small>	U <small>URANIUM</small>	Np <small>NEPTUNIUM</small>	Pu <small>PLUTONIUM</small>	Am <small>AMEERICIUM</small>	Cm <small>CURVIUM</small>	Bk <small>BERKELEIUM</small>	Cf <small>CALIFORNIUM</small>	Es <small>ESBENIUM</small>	Fm <small>FERMIUM</small>	Md <small>MESSELEVIUM</small>	No <small>NOBELIUM</small>	Lr <small>LAWRENCEIUM</small>
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# #IYPT2019

Mistake	Atomic Number	Correction
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		



Mistake	Symbol	Correction
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

**Activity 4: Making Connections and Drawing Conclusions.**

Instructions: Using the various Periodic Tables on the links page, identify the elements that fit the following criteria. Reference the tables that you used to come to your conclusion.

<b>Criteria</b>	<b>Answer that meet the criteria</b>	<b>Periodic Tables used (list numbers)</b>
In which countries have the most elements been discovered? Name the top 3.		
Which element was discovered most recently?		
What is the least expensive element? the most expensive?		
How many elements on the periodic table don't have commercial applications?		
Where on the periodic table are the radioactive elements located?		
What elements in our body are also abundant in the earth's crust?		
Good cell phone batteries need to be made out of elements that are abundant and cheap. Which elements work?		
Which elements in batteries are also most likely to run out in the next 100 years?		
Which observable elements are colorless?		
Referencing the question above and the table you created in activity 1, what do these elements have in common?		

Which elements are essential to our body and also highly abundant in the sea?		
Trade agreements between the United States and China are complicated. Knowing this, look at table 19. Thoughts?		Table 19

Create two new interesting connections involving the information on two tables.

<b>Criteria</b>	<b>Answer that meet the criteria</b>	<b>Periodic Tables used (list numbers)</b>