

A proposed revision to the Periodic Table of the Elements

Joint Fellowship of Chemists and Physicists (JFoCaP)¹

1 - The National Institute of Science

INTRODUCTION

The Periodic Table of the Elements, as most of us are familiar with (shown in Fig. 1), is a staple in classrooms, textbooks, and scientific novelty gifts¹. Its contributions to chemistry and physics extend well beyond just as a handy reference guide to the elements and their properties. For instance, it has been used to predict the existence of elements, it has contributed to the discovery of the atomic nucleus, and its development over the years has helped form entirely new branches of science, such as quantum mechanics. Thus, the Periodic Table has been referred to as one of the most important ideas in modern chemistry and physics. However, there is a dark secret that the Periodic Table has been hiding ever since its familiar structure seen in Figure 1 was introduced in the 1920's: it's not really a table.

A table is defined as an “orderly display of data, usually arranged in rows and columns” (American

Heritage Dictionary). While this definition may seem to apply perfectly to the Periodic Table of the Elements, there are several reasons why we believe the Periodic Table should not actually be considered a table:

- Real tables have header rows, which contain the names of each column. Most Periodic Tables don't have this header row, or, if they do (like in Fig. 1), they are simply just numbers.
- Tables are usually rectangular in shape. The Periodic Table can hardly be called a rectangle and, if anything, resembles a city skyline more than anything else.
- Tables don't have gaps—that is, there should be information for each cell, or, if no information exists, there should be a “—” or “NA”, or something similar. The Periodic Table has many large gaps, most notably in the first, second and third rows.
- Some depictions of the Periodic Table, including the one published by the International Union of Pure and Applied Chemistry (IUPAC), contain a legend to explain what the various numbers and letters mean. Tables don't have legends!
- Other depictions of the Periodic Table contain arrows, mostly to denote the lanthanide and actinide series. Tables don't have arrows!
- Please, how is [this](#) a table?

However, perhaps the most convincing evidence is that scientists don't even reference the Periodic Table of the Elements as a table. For instance, here is Glenn T. Seaborg, the namesake of the element Seaborgium, writing in the *Journal of Radioanalytical and Nuclear Chemistry*: “Thus these calculations are con-

Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 H																	2 He
2	3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne
3	11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
4	19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
5	37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
6	55 Cs	56 Ba	*	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
7	87 Fr	88 Ra	**	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Uut	114 Fl	115 Uup	116 Lv	117 Uus	118 Uuo
			*	57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
			**	89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr

Figure 1. A typical example of the Periodic Table of the Elements (source: Wikipedia.org).

¹ See these examples from [zazzle](#) and [cafepress](#)

sistent with the modern periodic table (**Fig. 1**)²² [emphasis ours]. And, here's Bjork Hammer in *Advances in Catalysis*: “metals to the right for copper, silver, and gold in the periodic table (**Fig. 10**)”²³ [emphasis ours]. Thus, if scientists refer to the Periodic Table of the Elements as a “figure”, then it cannot be a “table”.

Thus, we propose two courses of action regarding the current Periodic Table of the Elements. First, we propose that the Periodic Table, as we know it visually (Fig. 1), change its name to something more accurate. We recommend “The Periodic Schematic of the Elements”, because Fig. 1 most closely fits the definition of a schematic. Secondly, we propose that an actual Periodic Table of the Elements be constructed; one that actually is a table. Because the JFoCaP at the NIS are women and men of action, we have constructed such a table and present it here in this paper.

ADVANTAGES OF THE PERIODIC TABLE OVER THE PERIODIC SCHEMATIC

Before we actually present our table, we would like to point out several advantages of this new Periodic Table of the Elements over the now-named Periodic Schematic of the Elements.

1. This table is now consistent with the conventions of academic writing. Incorrectly referencing the old Periodic Table as a figure likely added to the distrust that the public has towards scientists.
2. The name of each element is spelled out, contrary to some previous versions of the Periodic Schematic in which just the element symbol was given. We expect this innovation to drastically decrease the misspelling of certain elements (like aluminium, praseodymium, and tin).
3. Our table is alphabetical, which will surely save time when researchers are looking up valuable information on specific elements.
4. Our table includes a “Fun Fact” for each ele-

2 Seaborg G (1996) Modification and expansion of Mendeleev's Periodic Table. Vol. 203:233-245.

3 Hammer B (2000) Theoretical surface science and catalysis - calculations and concepts. Vol. 45:71-129.

ment. Inclusion of these fun facts will make the table more amenable to children and makes the learning of the elements more fun (hence, “Fun Fact”).

THE PREDICTIVE ABILITY OF OUR PERIODIC TABLE OF ELEMENTS

One of the key aspects of the Periodic Schematic of the Elements is that it is predictive—gaps in the schematic denote the existence of some yet-undiscovered element. We would like to point out that our Periodic Table of the Elements can also predict the existence of new elements. For example, from our alphabetical arrangement of the elements, we can see that there is no element that starts with the letter “J”. Thus, we predict that the next element discovered will begin with “J”. We do not know exactly what this element would be named, but there are some possibilities. If the discoverers want to honor a previous scientist, which has been a popular naming trend for new elements, we recommend “Jimium” because this is a very popular name, and it is very likely that some important scientist has had (or will have) the first name of Jim (or James, Jimmy, Jamie [this variant also makes Jimium gender-neutral], etc.). Another good possibility is “Jesusium”, especially if the discoverers want to repair some of the current rift between science and religion.

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One disadvantage of our Periodic Table of the Elements is that it is rather large and not as compact as the Periodic Schematic of Elements. Thus, we have also provided a pocket-sized version of our Periodic Table (see Appendix A).

CONCLUSIONS

And, now, we can present to you, in the very first time that this phrase has been written completely 100% correct: the Periodic Table of the Elements (Table 1)!

Table 1. The Periodic Table of the Elements (Sym. = symbol of the element; No. = atomic number of the element)

Element	Sym.	No.	Fun Fact
Actinium	Ac	89	The first non-primordial radioactive element to be isolated (whatever that means)
Aluminum	Al	13	Was once more valuable than gold and silver
Americium	Am	95	All other elements resent its tremendous freedom
Antimony	Sb	51	Any fun fact about Antimony is false
Argon	Ar	18	Proud protector of the US Constitution and Declaration of Independence
Arsenic	As	33	Only reacts with the yet undescribed element OldLacium
Astatine	At	85	Is the last element named that doesn't end in "-ium"
Barium	Ba	56	Did you know that barium enemas are actually a thing?
Berkelium	Bk	97	Thought to be the rarest element on Earth; naturally your partner now wants jewelry made from Bk.
Bismuth	Bi	83	Also the capital of North Dakota
Bohrium	Bh	107	More like Bore-ium! Right! Wait...
Boron	B	5	Odds are, you ate some Boron today
Bromine	Br	35	Bromines always come before Holmiums
Cadmium	Cd	48	Nice to see that China has replaced the lead in children's toys with the just-as-toxic Cd
Caesium	Cs	55	The literal "liquid gold": melts at near room temperature and turns gold-colored
Calcium	Ca	20	The most abundant metal in our bodies (for everyone who is not The Wolverine)
Californium	Cf	98	Unless you have a nuclear reactor that won't start, you don't need to worry about Cf
Carbon	C	6	So important, they made an entire branch of science dedicated to it
Cerium	Ce	58	Thought to repel sharks; unsure if it is the main ingredient in Shark-Repellent Bat-Spray
Chlorine	Cl	17	aka, the element that everyone thinks is named Chloride

Chromium	Cr	24	I believe this is what Optimus Prime was coated in to protect him from the Hate Plague
Cobalt	Co	27	The patron element of painters
Copernicium	Cn	112	Ironically, the only element in which the nucleus orbits the electrons
Copper	Cu	29	Probably the first element to be discovered and used
Curium	Cm	96	Only element to be named after a married couple
Darmstadtium	Ds	110	Looks like they finally named an element after your Dad's made-up swear words
Dubnium	Db	105	The only element named after a US President
Dysprosium	Dy	66	It's name roughly means 'hard to get', although you can currently get it for \$35/gram
Einsteinium	Es	99	First found after the detonation of the first hydrogen bomb in 1952
Erbium	Er	68	Actually should be named Terbium, but I guess no one really cares
Europium	Eu	63	Won Element of the Year in 1890 and 1952
Fermium	Fm	100	Also found after the detonation of the H-bomb; maybe we should do those more often...
Flerovium	Fl	114	Apparently named by Jerry Lewis
Fluorine	F	9	So poisonous that early scientists died while trying to isolate it
Francium	Fr	87	Previous names: ressium, alkalinium, virginium, moldavium, catium (yes, there was almost a cat element)
Gadolinium	Gd	64	If you've had an MRI, you've probably had this element injected into you
Gallium	Ga	31	The anti M&M: it melts in your hand and you should never put it in your mouth
Germanium	Ge	32	The only element named after a member of the Jackson 5
Gold	Au	79	If you had all the gold ever mined, you would have US\$10.8 trillion
Hafnium	Hf	72	I don't want to alarm anyone but our Hf reserves may only last 10 more years
Hassium	Hs	108	Just got depressed because I realized that Hs (created in 1984) is younger than me

Helium	He	2	The US military is the top consumer of He. In second place is Macy's	Neodymium	Nd	60	Can produce the strongest f***ing magnets possible, yet we still don't know how they work
Holmium	Ho	67	There are no fun facts about Holmium	Neon	Ne	10	Unsurprisingly, the first US business to use Neon lighting was an LA car dealer
Hydrogen	H	1	90% of all the atoms in the universe are H atoms. The other 10% are your mom.	Neptunium	Np	93	"Why can't you be more like your brothers Uranium and Plutonium? They're successful!"
Indium	In	49	I loved it when this element found the Ark of the Covenant before the Nazis	Nickel	Ni	28	A US 5-cent nickel contains about 2 cents worth of actual Ni
Iodine	I	53	Necessary for all animal life, as well as turning-seeds-purple experiments	Niobium	Nb	41	Was once named after the United States until the Europeans took that away from us
Iridium	Ir	77	No, this is definitely what Optimus Prime was coated in	Nitrogen	N	7	Arguably, it's the most important use is to fill the widget inside Guinness cans
Iron	Fe	26	There are 2 tons of Iron available for every person on earth	Nobelium	No	102	No, Dr. No, No is not No. NO, nor is it part of NO, nor does it have no n ^o s
[space reserved for future element beginning with "J"]							
Krypton	Kr	36	Sad to think that people probably know more about Krypton the fictional planet than Krypton the element	Osmium	Os	76	Also the debut album of George Clinton's funk band Parliament
Lanthanum	La	57	The first element of the lanthanide series (aka, the elements you didn't have to learn in 8th grade)	Oxygen	O	8	The most abundant element in our bodies, the Earth's crust, and the oceans. It's kind of a big deal
Lawrencium	Lr	103	Um, to be honest, I wasn't expecting this many elements to find fun facts for	Palladium	Pd	46	Uses for the element Pd < Things named "Palladium" (like nightclubs)
Lead	Pb	82	The symbol Pb is from the latin "plumbum", and that's how we got plumbers!	Phosphorus	P	15	The first element to be synthesized from biological material (urine!)
Lithium	Li	3	The lightest metal, and a Top 5 Nirvana song. Coincidence?	Platinum	Pt	78	You must be a Platinum Member of PNIS for this fun fact
Livermorium	Lv	116	There are more Honus Wagner baseball cards than atoms of Lv	Plutonium	Pu	94	Its symbol should be 'Pl', but its founder suggested the jokey 'Pu' (pee-yew) because scientists are nerds
Lutetium	Lu	71	Probably the most expensive metal; your partner wants jewelry made from Lu, too	Polonium	Po	84	The KGB's poison of choice. Also found in tobacco!
Magnesium	Mg	12	Mg-fueled cars are a possibility until you realize that water can't put out Mg fires	Potassium	K	19	95% of it is used as a fertilizer. The other 5% is used by chemistry teachers to make water explode
Manganese	Mn	25	I would imagine 'Manganese' to be the most popular username in the Online Manga community	Praseodymium	Pr	59	As of this writing, Pr has 59 likes on Facebook
Meitnerium	Mt	109	If you're not counting mythological characters, it's the only element named after a woman (Lise Meitner)	Promethium	Pm	61	Uses (according to Wikipedia): luminous paint, atomic batteries, and thickness measuring devices
Mendelevium	Md	101	What the hell is a geneticist doing here? Oh, sorry, Dmitri Mendeleev	Protactinium	Pa	91	In 1961, Britain spent half a million dollars to make 125g of this now-perceived worthless element
Mercury	Hg	80	Just Youtube "Mercury Thiocyanate"	Radium	Ra	88	Remember when they put this in toothpaste, water, soaps and anything else? Ah, the good old days...
Molybdenum	Mo	42	Membership in the International Molybdenum Association is \$7800				

Radon	Rn	86	Second leading cause of lung cancer. You can guess what the first is	Tellurium	Te	52	Does your breath smell like garlic? Blame it on Te poisoning!
Rhenium	Re	75	Also apparently the debut album of George Clinton's funk band Parliament	Terbium	Tb	65	One of four elements named after a village in Sweden (Ytterby)
Rhodium	Rh	45	Paul McCartney owns the only Rh-plated album for being the all-time best-selling songwriter	Thallium	Tl	81	Its nickname ("Inheritance Powder") would be great, if it didn't have such dark implications
Roentgenium	Rg	111	The answer to the question: "What happens when we mash together Bismuth and Nickel?"	Thorium	Th	90	I probably didn't have to tell you that this was discovered by a Norwegian
Rubidium	Rb	37	Um, it has 37 protons? We got nothing here	Thulium	Tm	69	Named after the planet Thule, where Count Dooku attempted to revive the Dark Reaper
Ruthenium	Ru	44	Finally, an element named after a baseball player	Tin	Sn	50	Tin's an element? When the hell did Tin become an element?
Rutherfordium	Rf	104	Caused quite the naming controversy in the 90's. I can see why, it's not a good name	Titanium	Ti	22	Thank God my camping cookware is made of Ti or else I'd never be able to backpack across this county park
Samarium	Sm	62	This is better! An element named after the Samurai!!	Tungsten	W	74	Common in the minearl scheelite, which was named after State Sen. Clay Davis
Scandium	Sc	21	Should we be worried that Russia has huge stockpiles of Sc?	Ununoctium	Uuo	118	So, it's not not an octogon?
Seaborgium	Sg	106	Would be a better element if the 'Sea-' was changed to 'Cy-'	Ununpentium	Uup	115	Scientists continue to explore element 115 apparently having never played Call of Duty: Black Ops II
Selenium	Se	34	1 ounce of Brazil nuts will give you 700% of the daily recommended intake of Se	Ununseptium	Uus	117	The most recently discovered element (2010)
Silicon	Si	14	A favorite of sci-fi writers trying to invent life-forms that are not Carbon based	Ununtrium	Uut	113	Un...Un...Um...Who's naming these elements? Rumpelstilskin?
Silver	Ag	47	The Inventor's Element: more patents involve Ag than any other element	Uranium	U	92	Was once a popular component of pottery glazes (like for Fiestaware) even after people knew it was radioactive
Sodium	Na	11	Nothing blows up water better than sodium	Vanadium	V	23	Is considered toxic, which is odd since it's also marketed as a dietary supplement
Strontium	Sr	38	Most misleading element name; Sr is so weak that it even burns in air	Xenon	Xe	54	The Warrior Element
Sulfur	S	16	Christians know this element better as 'brimstone'	Ytterbium	Yb	70	The only element to start with a "Y"
Tantalum	Ta	73	How does Tantalus get an element named after him before Zeus does?	Yttrium	Y	39	Well, except for this one
Technetium	Tc	43	First elment to be artificially produced (also probably only element discovered from a piece of trash)	Zinc	Zn	30	Zn-deficiency affects about 1 in 4 persons. Is this a bad time to point out we could run out of Zn by 2050?
				Zirconium	Zr	40	Combine with two Oxygen atoms and you finally have an affordable engagement ring!

APPENDIX A. Pocket-sized Periodic Table of the Elements. Just cut out at the dotted lines, and store in pocket!

Element	Sym.	No.	Fun Fact	Element	Sym.	No.	Fun Fact
Actinium	Ac	89	The first non-primordial radioactive element to be isolated (whatever that means)	Mendelevium	Md	101	What the hell is a geneticist doing in here? Oh, right, Dmitri Mendeleev
Aluminum	Al	13	Was once more valuable than gold and silver	Mercury	Hg	80	Just YouTube "Mercury Thiocyanate"
Americium	Am	95	All other elements resent its tremendous freedom	Molybdenum	Mo	42	Membership in the International Molybdenum Association is \$7800.
Antimony	Sb	51	Any fun fact about Antimony is false	Neodymium	Nd	60	Can produce the strongest f***ing magnets possible, yet we still don't know how they work
Aragon	Ar	18	Proud protector of the US Constitution and Declaration of Independence	Neon	Ne	10	Unsurprisingly, the first US business to use neon lighting was an L.A. car dealer
Arsenic	As	33	Only reacts with the yet undescribed element Oid-acium	Nepthunium	Np	93	"Why can't you be more like your brothers Uranium and Plutonium? They're successful!"
Asatine	At	85	Is the last element named that doesn't end in "-ium"	Nickel	Ni	28	A US 5-cent Nickel contains about 2 cents worth of actual Nickel.
Barium	Ba	56	Did you know that barium enemas are actually a thing?	Niobium	Nb	41	Was once named after the United States until the Europeans took that away from us.
Berkelium	Bk	97	Thought to be the rarest element on Earth; naturally your partner now wants jewelry made from Berkelium	Nitrogen	N	7	Arguably, it's most important use is to fill the widgeo that is inside cans of Guinness
Beryllium	Be	4	The most delicious element	Nobelium	No	102	No. Noob. No is not No. NO, nor is it part of NO, nor does it have an n's
Bismuth	Bi	83	Also the capital of North Dakota	Osmium	Os	76	Also the debut album of George Clinton's funk band Parliament
Boron	B	107	More like Bore-ium. Fight? Well...	Oxygen	O	8	The most abundant element in our bodies, the Earth's crust, and the oceans. It's kind of a big deal.
Boron	B	5	Odds are, you ate some boron today	Palladium	Pd	46	Uses for the element Palladium < Things named "Palladium" (like shoe companies, and nightclubs)
Bromine	Br	35	Bromines (Br's) always come before Holmiums (Ho's)	Phosphorus	P	15	The first element to be synthesized from biological material (urine)
Cadmium	Cd	48	Nice to see that China has replaced the lead in children's toys with the just-as-toxic Cadmium	Platinum	Pt	78	You must have access to the Platinum Edition of this paper for the fun fact
Cesium	Cs	55	The literal "liquid gold"; melts at near room temp. and turns gold-colored	Plutonium	Pu	94	Its symbol should be "Pl", but its founder suggested the jokey "Pu" (pee-yew), because scientists are nerds
Calcium	Ca	20	For everyone that is not The Wolverine, Calcium is the most abundant metal in our bodies	Polonium	Po	84	The GGB's poison of choice. Also found in tobacco
Californium	Cf	98	Unless you have a nuclear reactor that won't start, you probably don't need to worry about Californium	Potassium	K	19	95% of it is used as a fertilizer. The other 5% is used by chemistry teachers to make water explode.
Carbon	C	6	So important, they made an entire branch of science dedicated to it (Inorganic Chemistry)	Praseodymium	Pr	59	As of this writing, Praseodymium has 59 likes on Facebook
Chlorine	Cl	17	Thought to repel sharks, unsure if this is the main ingredient in Shark-Repellent Bat-spray*	Promethium	Pm	61	Uses, according to wikipedia, luminous paint, atomic batteries, and thickness measuring devices
Chromium	Cr	24	I believe this is what Optimus Prime was coated in to protect him from the Hate Plague	Protactinium	Pa	88	Remember when they put this in toothpaste, water, soaps and anything else? Ah, the good old days...
Cobalt	Co	27	The patron element of painters	Radium	Ra	86	Second leading cause of lung cancer. You can guess what the first is.
Copper	Cu	112	Ironically, the only element in which the nucleus orbits the electrons	Radon	Rn	75	Apparently the debut album of George Clinton's funk band Parliament
Curium	Cm	29	Probably the first element to be discovered and used	Rhodium	Rh	45	Fair McCartney owns the only Rhodium-plated album for being the all-time best-selling songwriter
Darmstadtium	Ds	96	Only element to be named after a married couple (the Curie's)	Rhenium	Rg	111	The answer to the question: "What happens when we mash together Bismuth and Nickel?"
Dysprosium	Dy	105	Looks like they finally named an element after your Dad's made-up swear words	Rubidium	Rb	37	Um, it has 37 protons?
Dyprosium	Dy	105	The only element named after a US President	Ruthenium	Ru	44	Finally, an element named after a baseball player
Einsteinium	Es	66	It's name roughly means "hard to get, although you can currently get it for about \$35/gram"	Rutherfordium	Rf	104	Caused quite the naming controversy in the 90's. I can see why, it's not a very good name
Erbium	Er	68	Actually should be named Terbium, but I guess no one really cares	Samarium	Sm	62	This is better. An element named after the samurai!
Europium	Eu	63	Won Element of the Year in 1890 and 1952	Scandium	Sc	21	Should we be worried that Russia has huge stockpiles of Sc?
Ferrium	Fr	100	Also found after the detonation of the H-bomb. Maybe we should do those more often...	Scandium	Sc	106	Would be a better element if the "Sc" was changed to "Cy."
Ferrium	Fr	114	Apparently named by Jerry Lewis	Selenium	Se	34	1 ounce of Brazil nuts will give you over 700% of the daily recommended intake of Se
Fluorine	F	9	So poisonous that early scientists died while trying to isolate it	Silicon	Si	14	A favorite of sci-fi writers trying to invent life-forms that are not carbon-based
Francium	Fr	87	Protonous names: cesium, alkalium, virgillum, moldavium, cadium. Yes, we almost had a cat element.	Silver	Ag	47	The inventor's Element: more patents involve Ag than any other element
Gadolinium	Gd	64	Ever had an MRI? Then, you probably had this element injected into you	Sodium	Na	11	Nothing blows up water better than sodium (insert hyperlink to youtube "Disposal of Sodium")
Gallium	Ga	31	The anti-Melk: it melts in your hand, and you should probably never put it in your mouth	Strontium	Sr	38	Most misleading element name: so weak, it even burns in air
Germanium	Ge	32	The only element named after a member of the Jackson 5	Sulfur	S	16	Christians know this element better as brimstone
Gold	Au	79	If you had all the gold that has ever been mined, you would have 10.8 trillion dollars	Tantalum	Ta	73	How does Tantalus get an element named after him before Zeus does?
Hafnium	Hf	72	I don't want to alarm anyone, but our reserves of Hafnium may only last 10 more years	Technetium	Tc	43	First element to be artificially produced (also probably only element discovered from a piece of trash)
Hassium	Hs	108	Just got depressed because I just realized that Hs (created in 1984) is younger than me	Tellurium	Te	52	Does your breath smell like garlic? Blame it on Te poisoning!
Helium	He	2	Top consumer of helium? The US Military. Second? Macy's.	Terbium	Tb	65	One of four elements named after a village in Sweden (Ytterby)
Holmium	Ho	67	There are no fun facts about Holmium	Thallium	Tl	81	It's nickname ("Inchicane Powder") would be great, if it didn't have such dark implications
Hydrogen	H	1	90% of all the atoms in the universe are H atoms. The other 10% are your mom.	Thorium	Th	90	Probably didn't have to tell you that this was discovered by a Norwegian
Iodine	I	49	I loved it when this element found the ark of the covenant before the Nazis	Thulium	Tm	69	Named after the planet Thule, where Count Dooku attempted to revive the Dark Reeper
Iridium	Ir	53	Necessary for all animal life as well as turning-seeds-purple experiments	Tin	Sn	50	Tin's an element. When the hell did Tin become an element?
Iridium	Ir	77	No, this is definitely what Optimus Prime was coated in	Tungsten	W	74	Common in the mineral Scheelite, which was named after State Sen. Clay Davis
Iron	Fe	26	There are 2 tons of iron available for every person on earth	Uranium	U	118	So, it's not an octagon?
Iron	Fe	26	There are 2 tons of iron available for every person on earth	Uranium	U	118	Scientists continue to explore element 115, apparently having never played Call of Duty: Black Ops II
Iron	Fe	26	There are 2 tons of iron available for every person on earth	Uranium	U	117	The most recently discovered element (2010)
Krypton	Kr	36	Sad to think that people probably know more about Krypton the fictional planet than Krypton the element	Uranium	U	113	Um... Um... Um... Who's naming these elements? Humpless!skibin?
Lanthanum	La	57	The first element of the lanthanide series (aka, the series you didn't have to learn in 8th grade)	Uranium	U	92	Was once a popular component of pottery glazes (like for Fiesta ware), even after people knew it was radioactive
Lanthanum	La	103	To be honest, I wasn't expecting this many elements to find fun facts for.	Vanadium	V	23	Is considered toxic, which is odd since its also marketed as a dietary supplement
Lawrencium	Lr	103	The symbol Lr is from the Latin "plumbum", and that's how we got plumbel!	Xenon	Xe	54	The Warrior Element
Lead	Pb	82	The lightest metal, and a Top 5 Nirvana song, coincidence?	Xenon	Xe	70	The only element to start with a "Y"
Lithium	Li	3	Lithium metal, and a Top 5 Nirvana song, coincidence?	Yttrium	Y	39	Well, except for this one.
Lithium	Li	116	There are more Bonus Wagner baseball cards than atoms of Livermorium	Yttrium	Y	39	Zinc deficiency affects about 1 in 4 persons. Is this a bad time to point out we could run out of zinc by 2050?
Livermorium	Lv	116	There are more Bonus Wagner baseball cards than atoms of Livermorium	Zinc	Zn	40	Combine with two oxygen atoms, and you finally have an affordable engagement ring!
Lutetium	Lu	71	Probably the most expensive metal	Zirconium	Zr	40	Combine with two oxygen atoms, and you finally have an affordable engagement ring!
Lutetium	Lu	12	Mg-fueled cars are a possibility, until you realize that water can't put out Mg fires				
Magnesium	Mg	12	Mg-fueled cars are a possibility, until you realize that water can't put out Mg fires				
Manganese	Mn	25	You'd imagine Manganese to be the most popular username in the Online Marga Community				
Methemium	Mt	109	If you're not counting mythological characters, it's the only element named after a woman (Lee Weimer)				