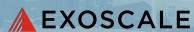
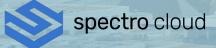




OUR SPONSORS



Direkt Microsoft Cloud Solution Partner Program



Speaker: Alessandro Vozza

Company: kubespaces.io

The periodic Table of Cloud Native



THE PERIODIC TABLE OF CLOUD NATIVE

A JOURNEY THRU CHEMISTRY,
CLOUD AND LOVE

1,500







**Angewandte
Chemie**



Eine Zeitschrift der
Gesellschaft
Deutscher Chemiker

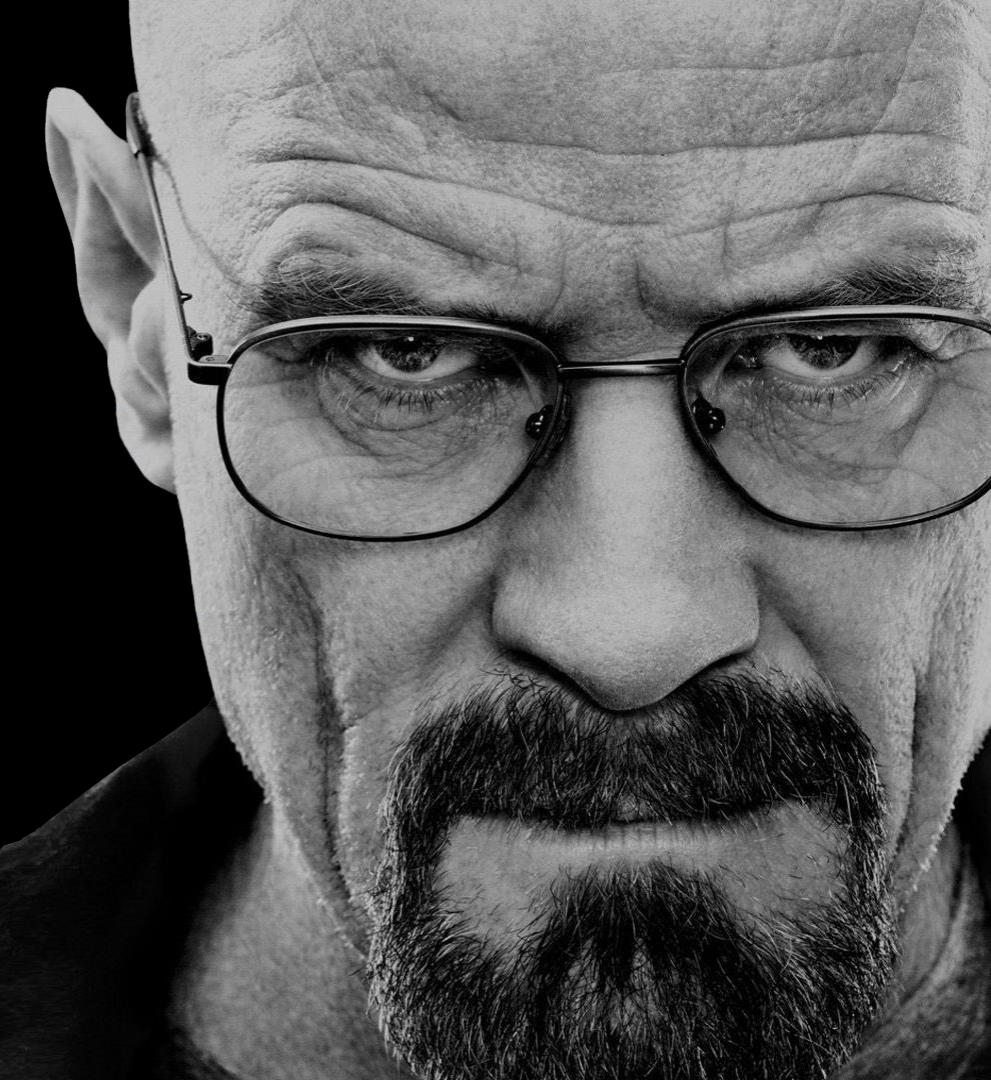
Zuschrift

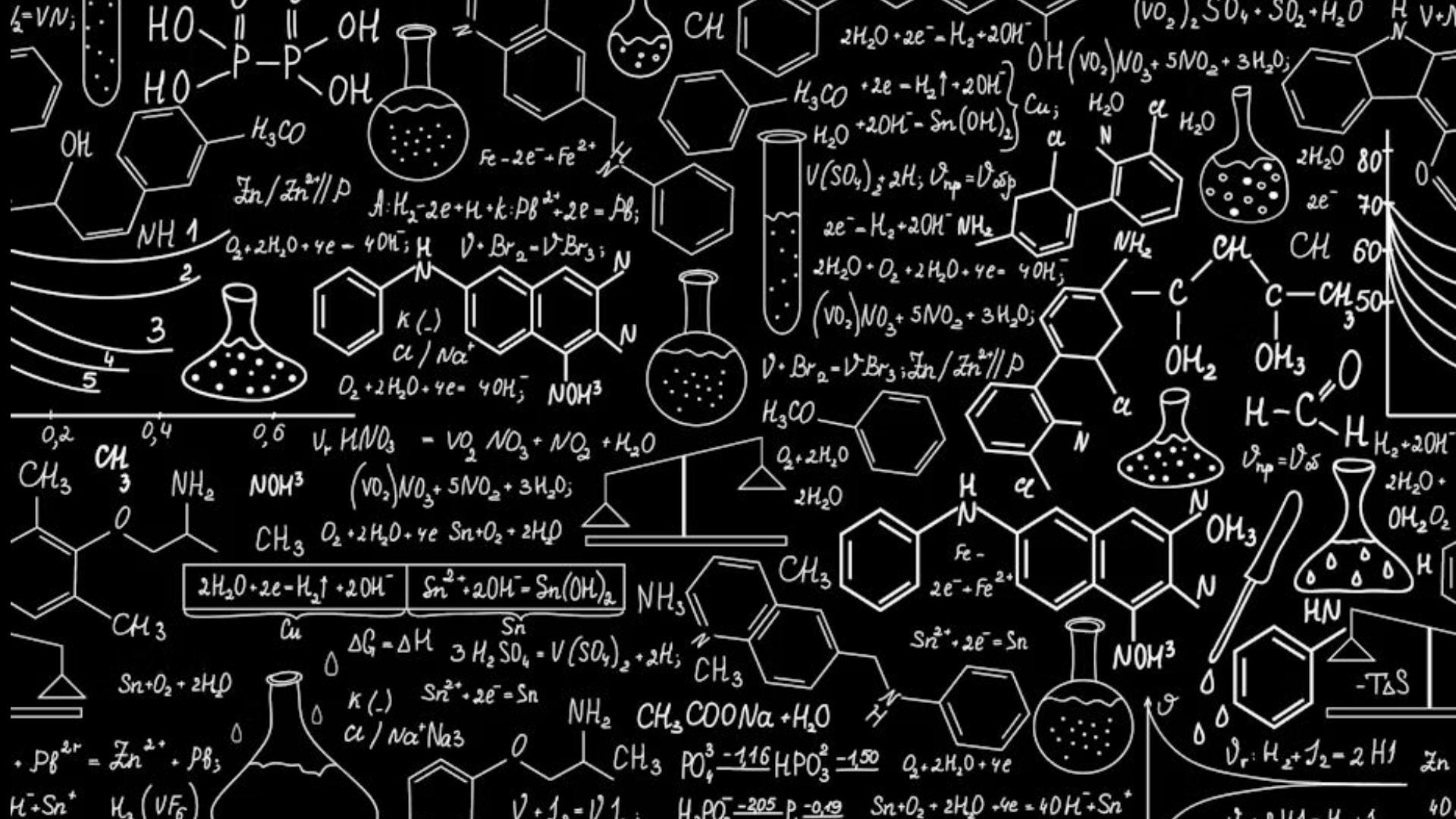
Phosphorus Ligand Imaging with Two-Photon Fluorescence Spectroscopy: Towards Rational Catalyst Immobilization[†]

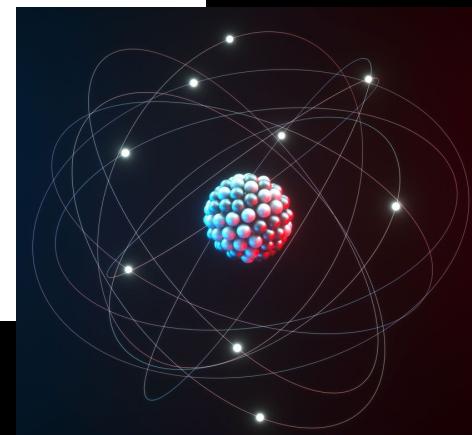
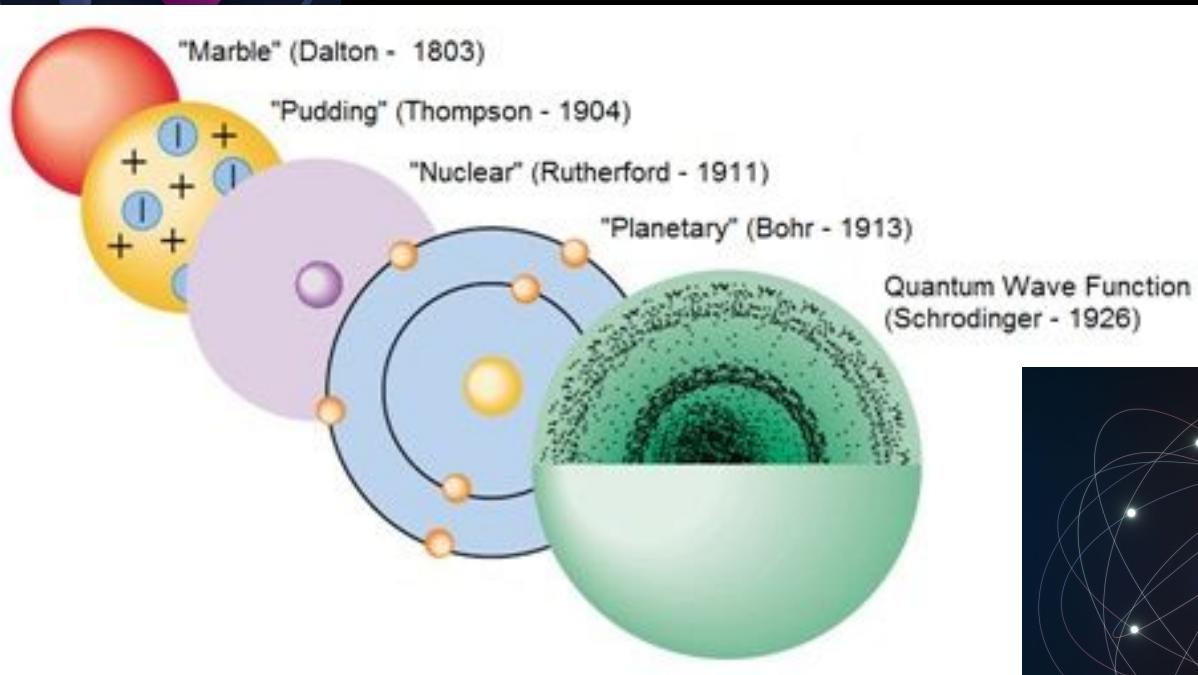
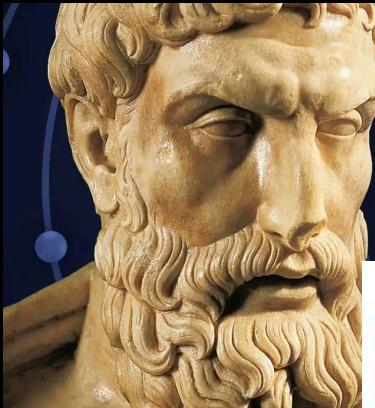
Fabrizio Marras, Alexander M. Kluwer Dr. Joanna R. Siekierzycka, Alessandro Vozza,
Albert M. Brouwer Prof., Joost N. H. Reek Prof.

First published: 22 July 2010 | <https://doi.org/10.1002/ange.201000907> | Citations: 1

[†] This research is supported by the National Research School Combination-Catalysis (NRSC-C), The Netherlands Organisation for Scientific Research (NWO)-STW and NanoNed (AMM, 6980), a national nanotechnology program coordinated by the Dutch Ministry of Economic Affairs. We acknowledge H. J. van Ramesdonk for technical assistance with the confocal microscope setup and Dr. E. R. H. van Eck of the solid-state NMR facility for advanced materials science, jointly supported by the Netherlands Organisation for Scientific Research (NWO) and Radboud University Nijmegen, for acquiring the solid-state NMR spectra.







1
1
H

2

18

2
He

1

2

3

4

5

6

7

THE PERIODIC TABLE OF THE ELEMENTS

Li Be

B C N O F Ne

Na Mg

Al Si P S Cl Ar

K Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Ge As Se Br Kr

Rb Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Sn Sb Te I Xe

Cs Ba * Hf Ta W Re Os Ir Pt Au Hg Tl Pb Bi Po At Rn

Fr Ra ** Rf Db Sg Bh Hs Mt Ds Rg Cn Nh Fl Mc Lv Ts Og

Lanthanides*

La Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb Lu

Actinides**

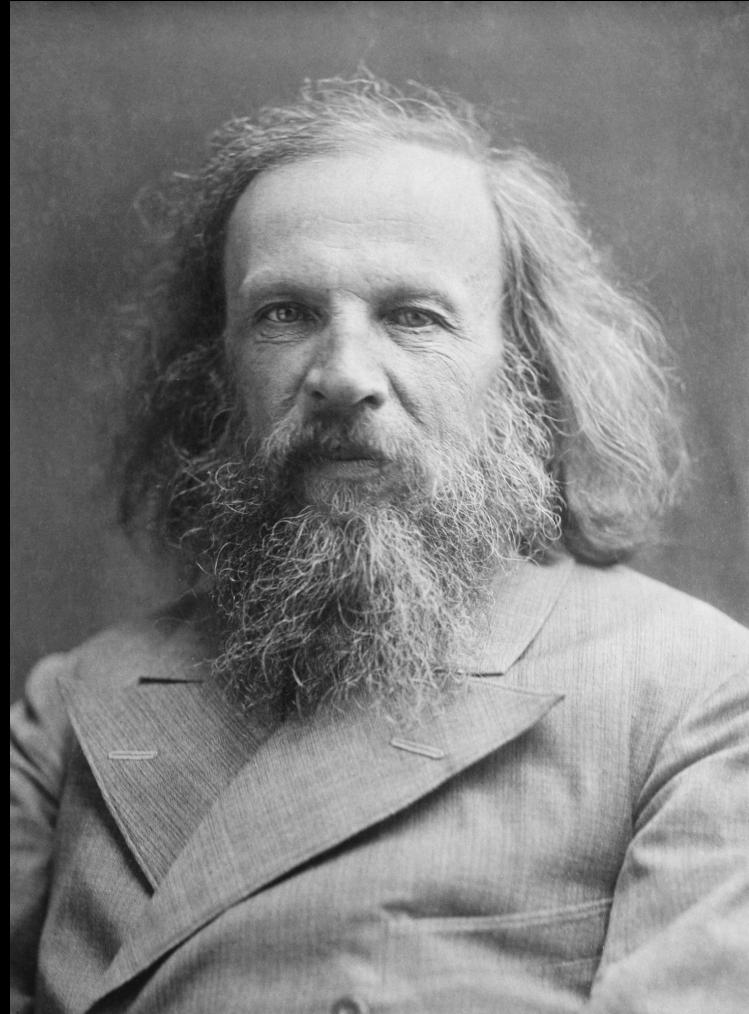
Ac Th Pa U Np Pu Am Cm Bk Cf Es Fm Md No Lr

DMITRI IVANOVICH MENDELEEV

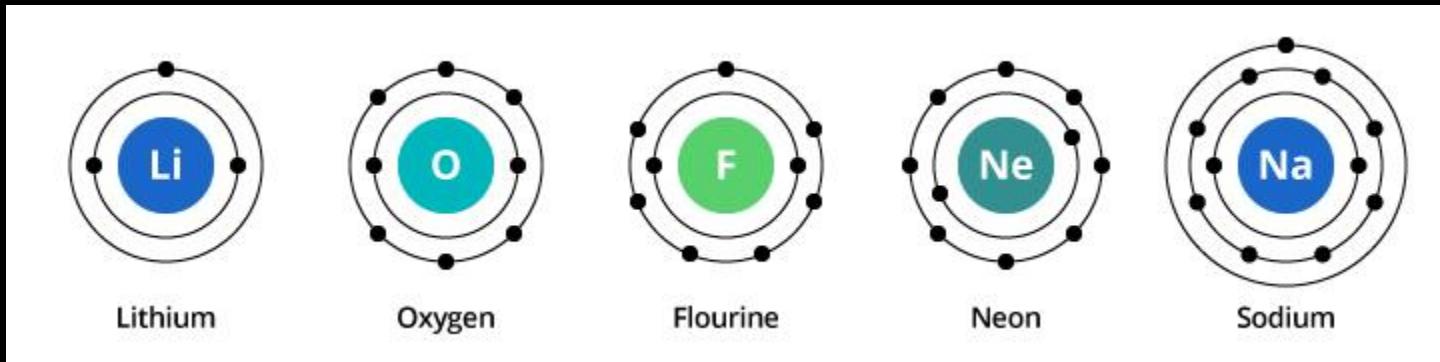
1834 - 1907

Reihen	Gruppe I. — R ¹ O	Gruppe II. — R ² O	Gruppe III. — R ³ O ²	Gruppe IV. RH ⁴ R ⁴ O ³	Gruppe V. RH ³ R ³ O ²	Gruppe VI. RH ² R ² O ³	Gruppe VII. RH R ¹ O ²	Gruppe VIII. — R ⁰ ⁴
1	II=1							
2	Li=7	Be=9,4	B=11	C=12	N=14	O=16	F=19	
3	Na=23	Mg=24	Al=27,8	Si=28	P=31	S=32	Cl=35,5	
4	K=39	Ca=40	—=44	Ti=48	V=51	Cr=52	Mn=55	Fe=56, Co=59, Ni=59, Cu=63.
5	(Cu=63)	Zn=65	—=68	—=72	As=75	Se=78	Br=80	
6	Rb=86	Sr=87	?Yt=88	Zr=90	Nb=94	Mo=96	—=100	Ru=104, Rh=104, Pd=106, Ag=108.
7	(Ag=108)	Cd=112	In=113	Sn=118	Sb=122	Te=125	J=127	
8	Cs=133	Ba=137	?Di=138	?Ce=140	—	—	—	—
9	(—)	—	—	—	—	—	—	—
10	—	—	?Er=178	?La=180	Ta=182	W=184	—	Os=195, Ir=197, Pt=198, Au=199.
11	(Au=199)	Hg=200	Tl=204	Pb=207	Bi=208	—	—	
12	—	—	—	Th=231	—	U=240	—	—

1871



VALENCE ELECTRONS ARE EVERYTHING

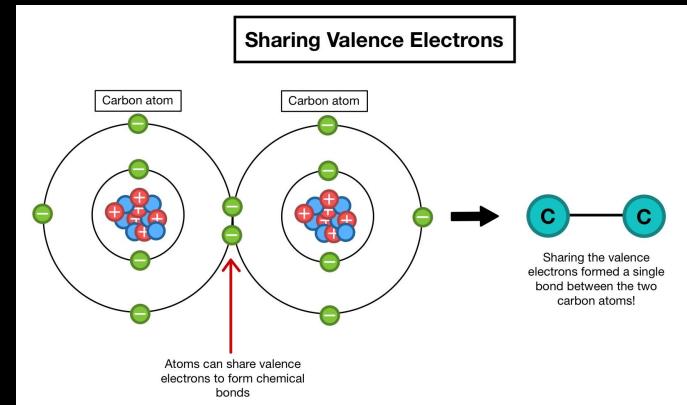


mass number =
of protons + neutrons

A
Z E

chemical symbol for
the element

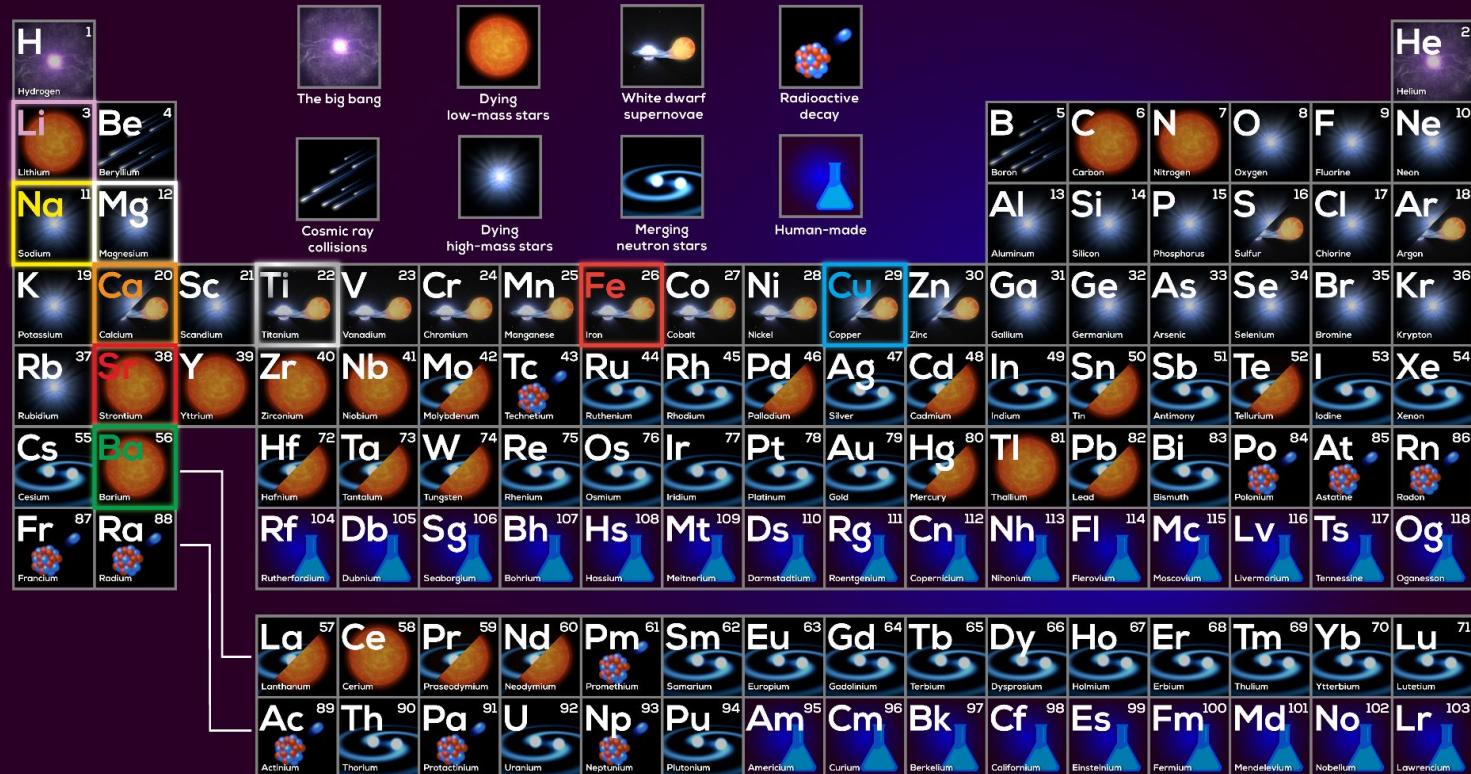
atomic number =
of protons



THE UPDATED

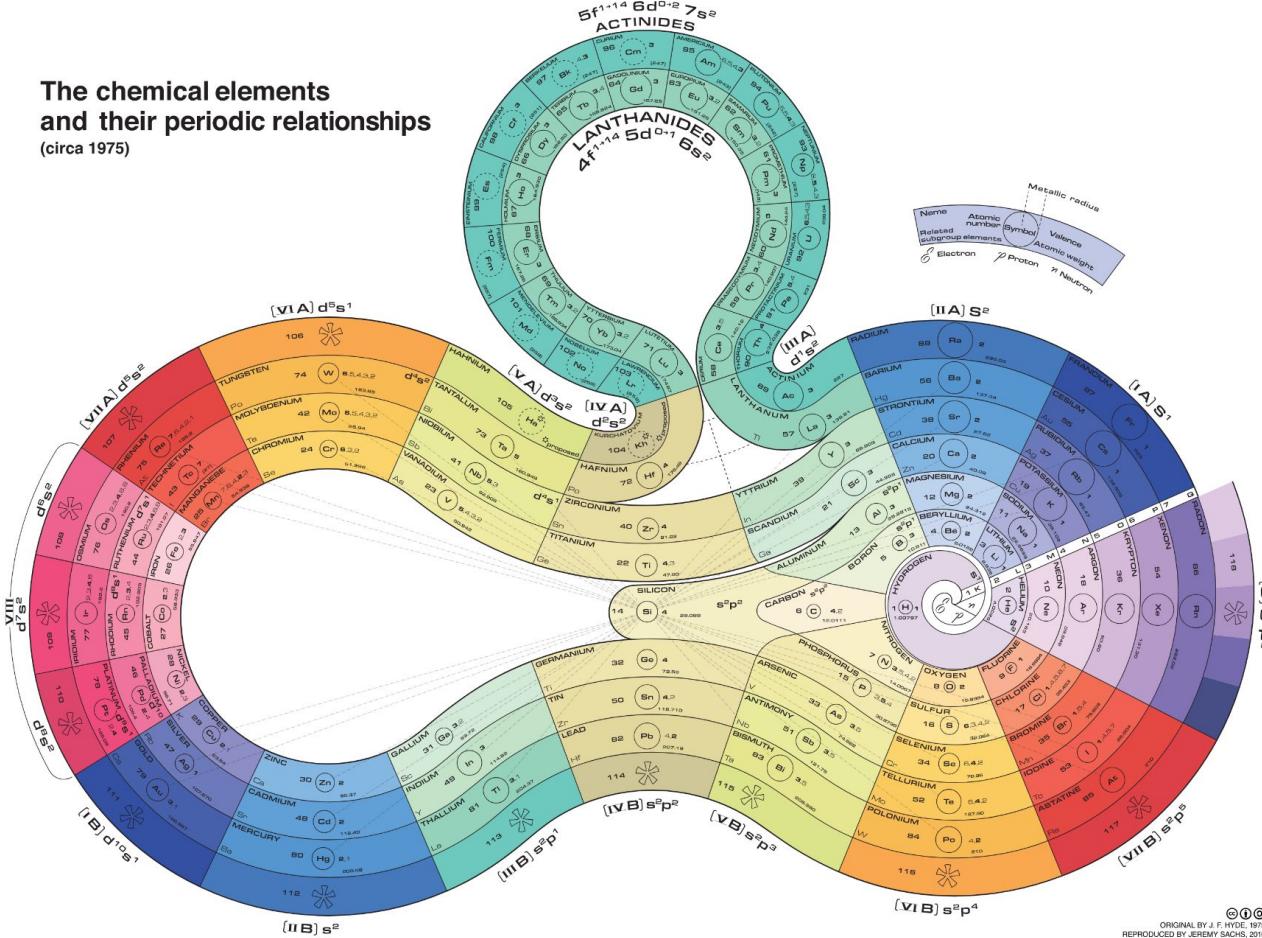
PERIODIC
TaBLE
SONG

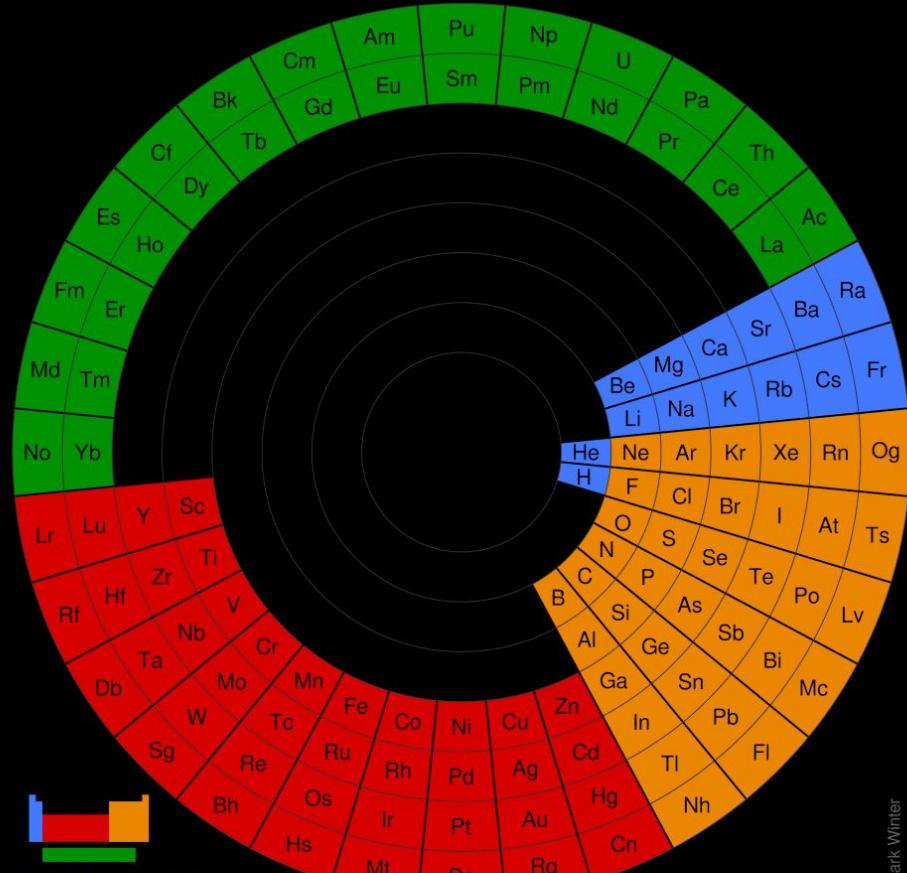
ORIGINS OF THE ELEMENTS



This periodic table depicts the primary source on Earth for each element. In cases where two sources contribute fairly equally, both appear.

**The chemical elements
and their periodic relationships**
(circa 1975)

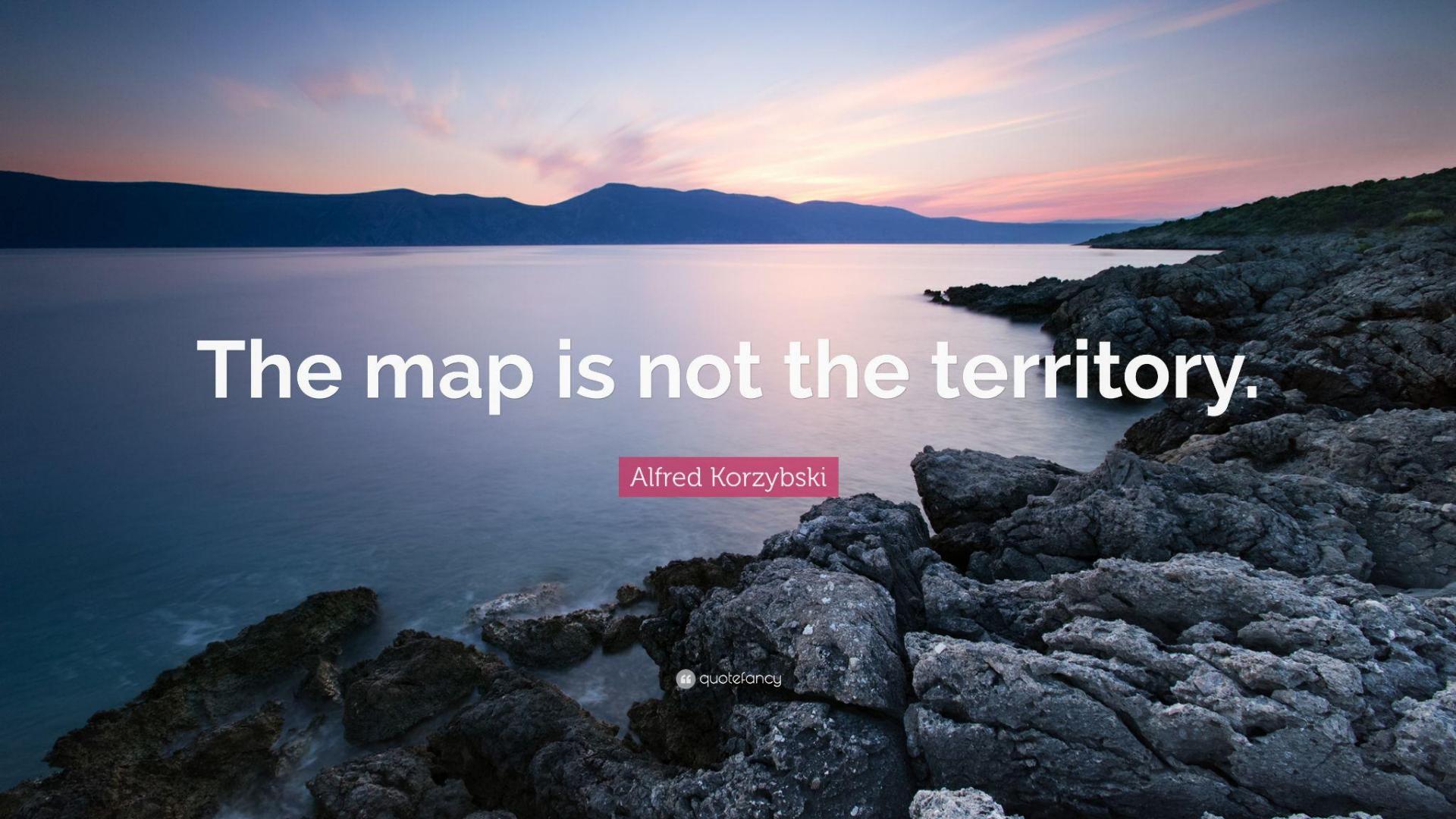




www.webelements.com

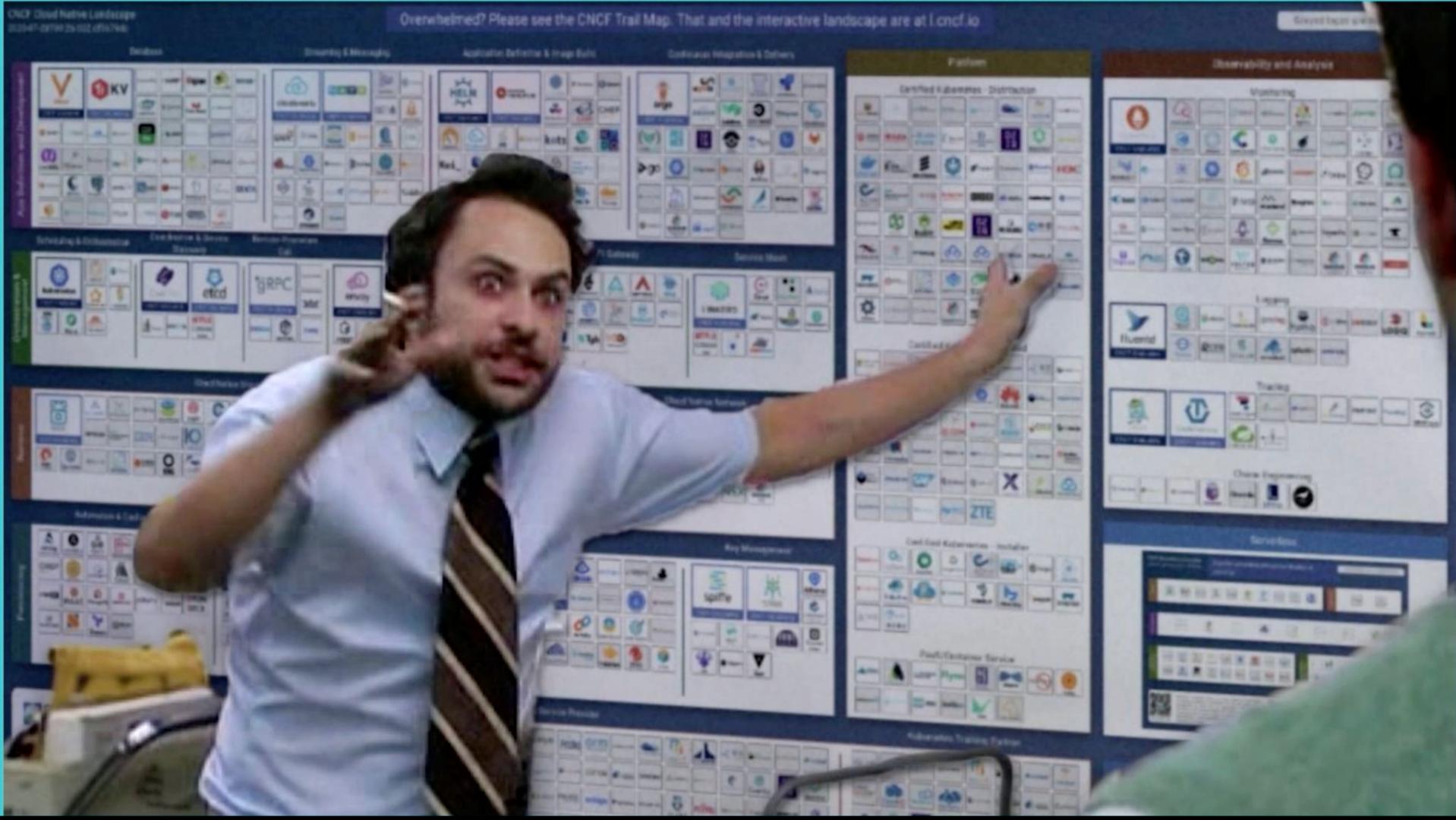
© Mark Winter

Circular periodic table

A wide-angle photograph of a coastal landscape at sunset. The sky is filled with soft, pastel-colored clouds transitioning from blue to orange and yellow. In the background, a range of mountains is visible across the water. The foreground consists of dark, rugged rocks and boulders along the shore. The overall atmosphere is peaceful and contemplative.

The map is not the territory.

Alfred Korzybski



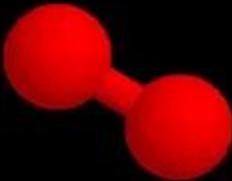
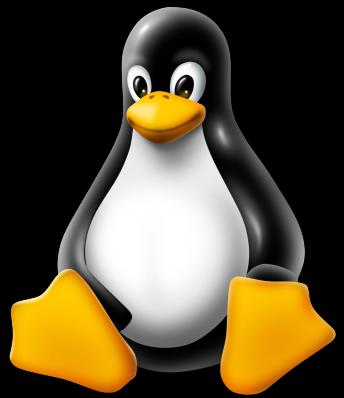
Overwhelmed? Please see the CNCF Trail Map. That and the interactive landscape are at cncf.io

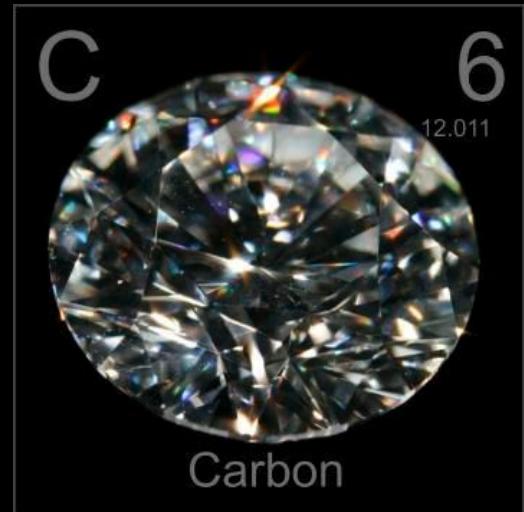
Watch later

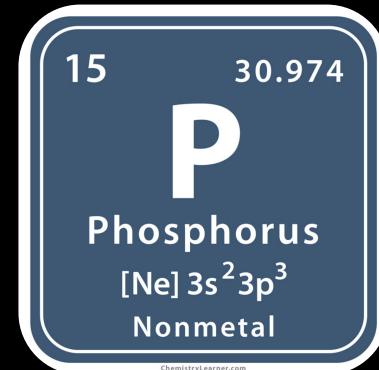
**AND NOW FOR THE INTERESTING PART..
(CONTRIBUTION WELCOME)**

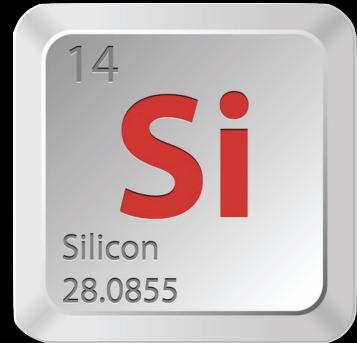
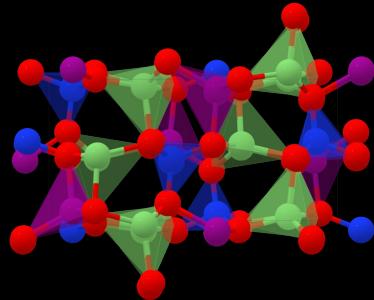
GITHUB.COM/AMSO/PERIODIC-TABLE-OF-CLOUD-NATIVE

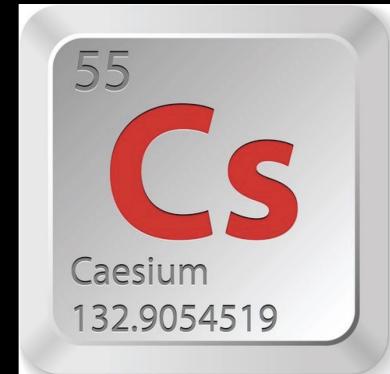
↑
(ZERO)

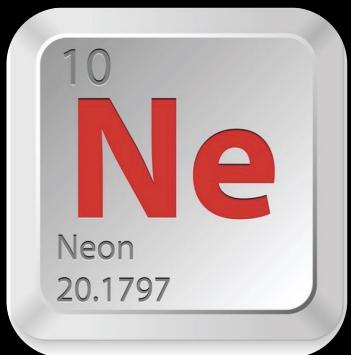
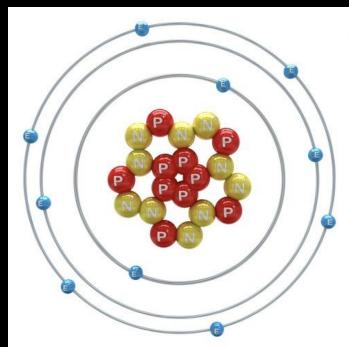
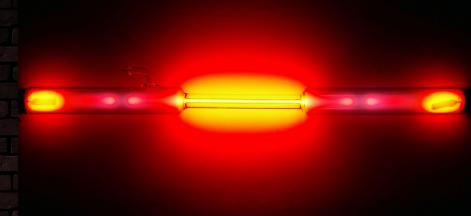


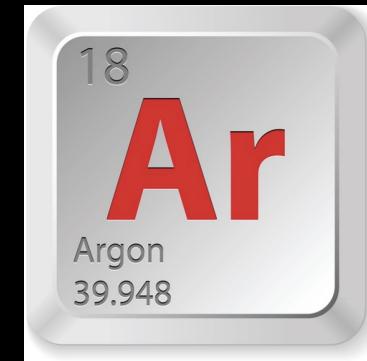
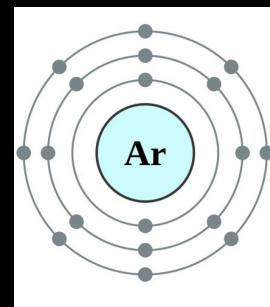
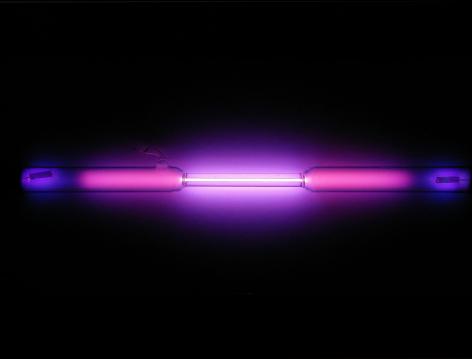
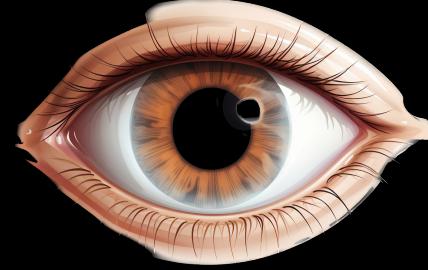






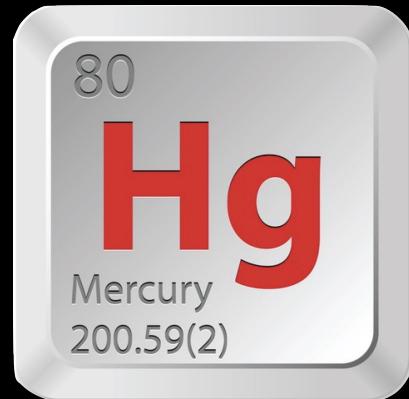








OpenTelemetry



1

18

THE PERIODIC TABLE OF THE ELEMENTS

1



2



3



2



4



3



5



4



6



5



7



6



8



7



9



8



10



9



11



10



12



11

13

12

14

13

15

14

16

15

17

16

18

17

19

18

20

19

21

20

22

21

23

22

24

23

25

24

26

25

27

26

28

27

29

28

30

29

31

30

32

31

33

32

34

33

35

34

36

35

37

36

38

37

39

38

40

39

41

40

42

41

43

42

44

43

45

44

46

45

47

46

48

47

49

48

50

49

51

50

52

51

53

52

54

53

55

54

56

55

57

56

58

57

59

58

60

59

61

60

62

61

63

62

64

63

65

64

66

65

67

66

68

69

70

70

71

71

72

72

73

73

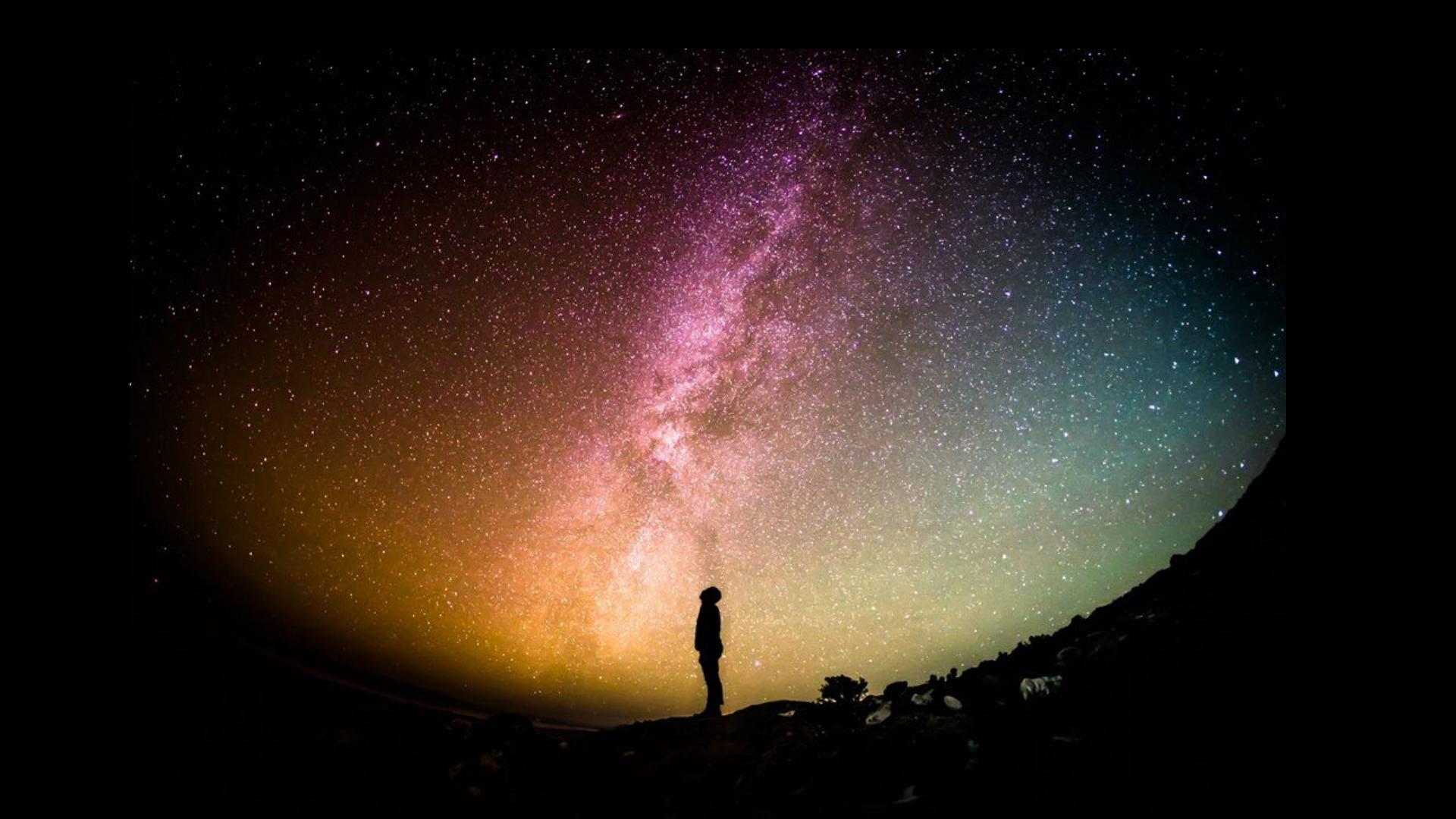
74

74

75

75

76





THANK YOU!

PING ME FOR QUESTIONS:
[GITHUB.COM/AMSO](https://github.com/amso) (<- THAT'S A ZERO)

COME BUILD IT WITH ME!



kubespaces.io



SLIDES



ME