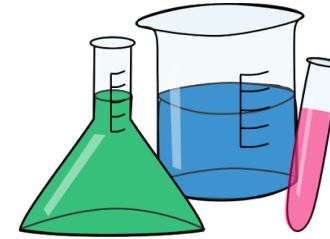


# Elemental Pursuit



	1											13	14	15	16	17	18	
1	1 H 1.01																	2 He 4.00
2	3 Li 6.94	4 Be 9.01											5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00	10 Ne 20.18
3	11 Na 23.99	12 Mg 24.30	3	4	5	6	7	8	9	10	11	12	13 Al 26.98	14 Si 28.05	15 P 30.97	16 S 32.06	17 Cl 35.45	18 Ar 39.95
4	19 K 39.10	20 Ca 40.1	21 Sc 44.1	22 Ti 47.87	23 V 50.94	24 Cr 52.0	25 Mn 54.9	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.38	31 Ga 70.62	32 Ge 72.64	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.8
5	37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.96	43 Tc 97.91	44 Ru 101.1	45 Rh 102.9	46 Pd 106.4	47 Ag 107.9	48 Cd 112.4	49 In 114.8	50 Sn 118.7	51 Sb 121.8	52 Te 127.6	53 I 126.9	54 Xe 131.3
6	55 Cs 132.9	56 Ba 137.3	57-71	72 Hf 178.5	73 Ta 180.1	74 W 183.8	75 Re 186.2	76 Os 190.2	77 Ir 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.6	81 Tl 204	82 Pb 207.2	83 Bi 209.0	84 Po 209.0	85 At 210.0	86 Rn 222.0
7	87 Fr 223	88 Ra 226	89-103	104 Rf 261	105 Db 262	106 Sg 266	107 Bh 264	108 Hs 277	109 Mt 268	110 Ds 271	111 Rg 272	112 Cn 285	113 Uut 284	114 Fl 285	115 Uup 289	116 Lv 292	117 Uus 289	118 Uuo 294
				57 La 138.9	58 Ce 140.1	59 Pr 140.9	60 Nd 144	61 Pm 145	62 Sm 150.4	63 Eu 152.0	64 Gd 157.3	65 Tb 159.0	66 Dy 162.5	67 Ho 164.5	68 Er 167.3	69 Tm 168.9	70 Yb 173.0	71 Lu 175.0
				89 Ac 227	90 Th 232	91 Pa 231	92 U 238	93 Np 237	94 Pu 244	95 Am 243	96 Cm 247	97 Bk 247	98 Cf 251	99 Es 252	100 Fm 257	101 Md 258	102 No 259	103 Lr 262



# Elemental Pursuit



## Setting up the Board:

Quick and easy: five-minute setup.

- Place the periodic gameboard in the center of the play space.
- Place the elements deck and the challenge deck (challenge cards are denoted with a star in the bottom right corner) within reach of all players.
- Prepare one colored, dry erase marker for each player.

## Player Roles: (3-4 players)

- A Card Reader
- An Answerer

## Rules of the Game:

- The player with the closest birthday to today's date starts as the answerer and the player to her/his left is the card reader.
- The card reader draws a card and reads the question to the answerer.
- If the answerer is correct, they may highlight the element corresponding to the draw card.
- If the answerer is incorrect, no elements are awarded.
- The card reader and answerer roles are given to the player to the left (clockwise rotation).
- The game is repeated until all elements are coloured in, the player with the most elements wins

## Challenge Cards:

- If a player pulls a card that corresponds to an element that already is taken by another player and they answer the question correctly a challenge card is used
- Another player will read a challenge card to the player who had occupied the space and the player who is trying to obtain it.
- The players will race to answer the question
- The player who answers first with a correct answer takes the element

---

**What element is located in Group 1, Period 1?**

**Answer: Hydrogen (H)**

---

**What is the element symbol for Hydrogen?**

**Answer: H**

---

**Spell the element that has the symbol H?**

**Answer: H-y-d-r-o-g-e-n**

---

**Is Hydrogen a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**What element is located in Group 18, Period 1?**

**Answer: Helium (He)**

---

**What is the element symbol for Helium?**

**Answer: He**

---

**Spell the element that has the symbol He?**

**Answer: H-e-l-i-u-m**

---

**Is Helium a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**What element is located in Group 1, Period 2?**

**Answer: Lithium (Li)**

---

**What is the element symbol for Lithium?**

**Answer: Li**

---

---

**Spell the element that has the symbol Li?**

**Answer: L-i-t-h-i-u-m**

---

**Is Lithium a metal, non-metal, or metalloid?**

**Answer: Metal**

---

**What element is located in Group 2, Period 2?**

**Answer: Beryllium (Be)**

---

**What is the element symbol for Beryllium?**

**Answer: Be**

---

**Spell the element that has the symbol Be?**

**Answer: B-e-r-y-l-l-i-u-m**

---

**Is Beryllium a metal, non-metal, or metalloid?**

**Answer: Metal**

---

**What element is located in Group 13, Period 2?**

**Answer: Boron (B)**

---

**What is the element symbol for Boron?**

**Answer: B**

---

**Spell the element that has the symbol B?**

**Answer: B-o-r-o-n**

---

**Is Boron a metal, non-metal, or metalloid?**

**Answer: Metalloid**

---

---

**What element is located in  
Group 14, Period 2?**

**Answer: Carbon (C)**

---

**What element is located in  
Group 15, Period 2?**

**Answer: Nitrogen (N)**

---

**What element is located in  
Group 16, Period 2?**

**Answer: Oxygen (O)**

---

**What element is located in  
Group 17, Period 2?**

**Answer: Fluorine (F)**

---

**What element is located in  
Group 18, Period 2?**

**Answer: Neon (Ne)**

---

**What element is located in  
Group 1, Period 3?**

**Answer: Sodium (Na)**

---

**What element is located in  
Group 2, Period 3?**

**Answer: Magnesium (Mg)**

---

**What element is located in  
Group 13, Period 3?**

**Answer: Aluminum (Al)**

---

**What element is located in  
Group 14, Period 3?**

**Answer: Silicon (Si)**

---

**What element is located in  
Group 15, Period 3?**

**Answer: Phosphorus (P)**

---

---

**What element is located in  
Group 16, Period 3?**

**Answer: Sulfur (S)**

---

**What element is located in  
Group 17, Period 3?**

**Answer: Chlorine (Cl)**

---

**What element is located in  
Group 18, Period 3?**

**Answer: Argon (Ar)**

---

**What element is located in  
Group 1, Period 4?**

**Answer: Potassium (K)**

---

**What element is located in  
Group 2, Period 4?**

**Answer: Calcium (Ca)**

---

**What is the element symbol for  
Carbon?**

**Answer: C**

---

**What is the element symbol for  
Nitrogen?**

**Answer: N**

---

**What is the element symbol for  
Oxygen?**

**Answer: O**

---

**What is the element symbol for  
Fluorine?**

**Answer: F**

---

**What is the element symbol for  
Neon?**

**Answer: Ne**

---

---

**What is the element symbol for Sodium?**

**Answer: Na**

---

**What is the element symbol for Magnesium?**

**Answer: Mg**

---

**What is the element symbol for Aluminum?**

**Answer: Al**

---

**What is the element symbol for Silicon?**

**Answer: Si**

---

**What is the element symbol for Phosphorus?**

**Answer: P**

---

**What is the element symbol for Sulfur?**

**Answer: S**

---

**What is the element symbol for Chlorine?**

**Answer: Cl**

---

**What is the element symbol for Argon?**

**Answer: Ar**

---

**What is the element symbol for Potassium?**

**Answer: K**

---

**What is the element symbol for Calcium?**

**Answer: Ca**

---

---

**Spell the element that has the symbol C?**

**Answer: C-a-r-b-o-n**

---

**Spell the element that has the symbol N?**

**Answer: N-i-t-r-o-g-e-n**

---

**Spell the element that has the symbol O?**

**Answer: O-x-y-g-e-n**

---

**Spell the element that has the symbol F?**

**Answer: F-l-u-o-r-i-n-e**

---

**Spell the element that has the symbol Ne?**

**Answer: N-e-o-n**

---

**Spell the element that has the symbol Na?**

**Answer: S-o-d-i-u-m**

---

**Spell the element that has the symbol Mg?**

**Answer: M-a-g-n-e-s-i-u-m**

---

**Spell the element that has the symbol Al?**

**Answer: A-l-u-m-i-n-u-m**

---

**Spell the element that has the symbol Si?**

**Answer: S-i-l-i-c-o-n**

---

**Spell the element that has the symbol P?**

**Answer: P-h-o-s-p-h-o-r-u-s**

---



---

**Spell the element that has the symbol S?**

**Answer: S-u-l-f-u-r**

---

**Spell the element that has the symbol Cl?**

**Answer: C-h-l-o-r-i-n-e**

---

**Spell the element that has the symbol Ar?**

**Answer: A-r-g-o-n**

---

**Spell the element that has the symbol K?**

**Answer: Potassium**

---

**Spell the element that has the symbol Ca?**

**Answer: Calcium**

---

**Is Carbon a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Nitrogen a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Oxygen a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Fluorine a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Neon a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

---

**Is Sodium a metal, non-metal, or metalloid?**

**Answer: Metal**

---

**Is Magnesium a metal, non-metal, or metalloid?**

**Answer: Metal**

---

**Is Aluminum a metal, non-metal, or metalloid?**

**Answer: Metal**

---

**Is Silicon a metal, non-metal, or metalloid?**

**Answer: Metalloid**

---

**Is Phosphorus a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Sulfur a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Chlorine a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Argon a metal, non-metal, or metalloid?**

**Answer: Non-metal**

---

**Is Potassium a metal, non-metal, or metalloid?**

**Answer: Metal**

---

**Is Calcium a metal, non-metal, or metalloid?**

**Answer: Metal**

---

**Who invented the periodic table?**

**Answer: Dmitri Mendeleev**



**How many elements had been discovered when the periodic table was invented in 1869?**

**Answer: 63**



**At room temperature which two elements occur in the liquid state?**

**Answer: Mercury (Hg) and Bromine (Br)**



**Is Hydrogen from the Alkali Metal family?**

**Answer: No**



**True or False, the Noble Gas family has the most reactive elements?**

**Answer: False (Alkali Metals)**



**Name an element that occurs in the gaseous state?**

**Answer: Elements 1,2,7,8,9,10,16, 17, and 18**



**What is the chemical family name in column 18**

**Answer: Noble Gases**



**How many elements are now on the periodic table?**

**Answer: 118**



**What are the rows of the table called?**

**Answer: Periods**



**What are the columns of the periodic table called?**

**Answer: Families**



---

**Which chemical family is least reactive?**

**Answer: Noble Gases**



---

**Which chemical family is most reactive**

**Answer: Alkaline metals**



---

**What is the name of the chemical family in column 17**

**Answer: Halogens**



---

**What is the name of the chemical family in column 1**

**Answer: Alkali Metals**



---

**What is the name of the chemical family in column 2**

**Answer: Alkaline Earth Metals**



---

**What divides the metals and the non-metals**

**Answer: Staircase**



---

**What type of elements are to the right of the staircase?**

**Answer: Non-metals**



---

**What type of elements are along the staircase?**

**Answer: Metalloids**



---

**What type of elements are to the left of the staircase?**

**Answer: Metals**



---

**What is the element with atomic number 35?**

**Answer: Bromine**

