

DO NOT WRITE ON THIS PAPER.

IT WILL BE COLLECTED AT THE END OF CLASS! 😊

On your periodic table in your notebook, do the following:

- The 6 elements that are most abundant in cells are Carbon, Hydrogen, Nitrogen, Oxygen, Phosphorus, and Sulfur. (CHNOPS) Highlight these 6 elements the same color. On the top of the periodic table make yourself a key to remind you that those are the most abundant elements in cells.
- Highlight the following trace elements one color: Iodine (I), Potassium (K), Calcium (Ca), Iron (Fe), Magnesium (Mg), Sodium (Na) and Chlorine (Cl). On the top of the periodic table make yourself a key to remind you that those are trace elements in living things.
- On the back of this paper is a graphic showing the percentage of each element of the mass of a human. On your periodic table, find those elements and write the percentage of the human body they make up. Make yourself a key to remind you what the percentages represent.

Periodic Table Scavenger Hunt

Directions:

Use the periodic table you just glued in your notebook to explore and learn to use the periodic table. To answer each of the questions below **write the chemical symbol and element name on a SEPARATE sheet of paper.** (bellwork paper is fine)

1. The most common elements in living things are carbon, hydrogen, oxygen and nitrogen. For each of these four elements, identify their **symbol and atomic number.**
2. Find 1 element that sounds like it is named after a country.
3. Find 1 element that sounds like it is named after a scientist (and name the scientist).
4. Find 1 element named after a state or continent.
5. Find 1 element named after a planet.
6. Find at least 3 elements whose symbols do not match their names.

Challenge - What is the only letter not appearing on the periodic table as a symbol or part of the symbol?

THE HUMAN BODY

ELEMENTAL COMPOSITION BY MASS



HYDROGEN

PERCENT	SYMBOL
10	H
	ATOMIC N ^o : 1

CARBON

PERCENT	SYMBOL
18	C
	ATOMIC N ^o : 6

NITROGEN

PERCENT	SYMBOL
3	N
	ATOMIC N ^o : 7

OXYGEN

PERCENT	SYMBOL
65	O
	ATOMIC N ^o : 8

FLUORINE

PERCENT	SYMBOL
<.01	F
	ATOMIC N ^o : 9

SODIUM

PERCENT	SYMBOL
0.1	Na
	ATOMIC N ^o : 11

MAGNESIUM

PERCENT	SYMBOL
.05	Mg
	ATOMIC N ^o : 12

PHOSPHORUS

PERCENT	SYMBOL
1.2	P
	ATOMIC N ^o : 6

SULFUR

PERCENT	SYMBOL
0.2	S
	ATOMIC N ^o : 16

CHLORINE

PERCENT	SYMBOL
0.2	Cl
	ATOMIC N ^o : 17

POTASSIUM

PERCENT	SYMBOL
0.2	K
	ATOMIC N ^o : 19

CALCIUM

PERCENT	SYMBOL
1.5	Ca
	ATOMIC N ^o : 20

IRON

PERCENT	SYMBOL
<.05	Fe
	ATOMIC N ^o : 26

COBALT

PERCENT	SYMBOL
<.05	Co
	ATOMIC N ^o : 27

COPPER

PERCENT	SYMBOL
<.05	Cu
	ATOMIC N ^o : 29

ZINC

PERCENT	SYMBOL
<.05	Zn
	ATOMIC N ^o : 30

SELENIUM

PERCENT	SYMBOL
<.01	Se
	ATOMIC N ^o : 34

IODINE

PERCENT	SYMBOL
<.05	I
	ATOMIC N ^o : 53