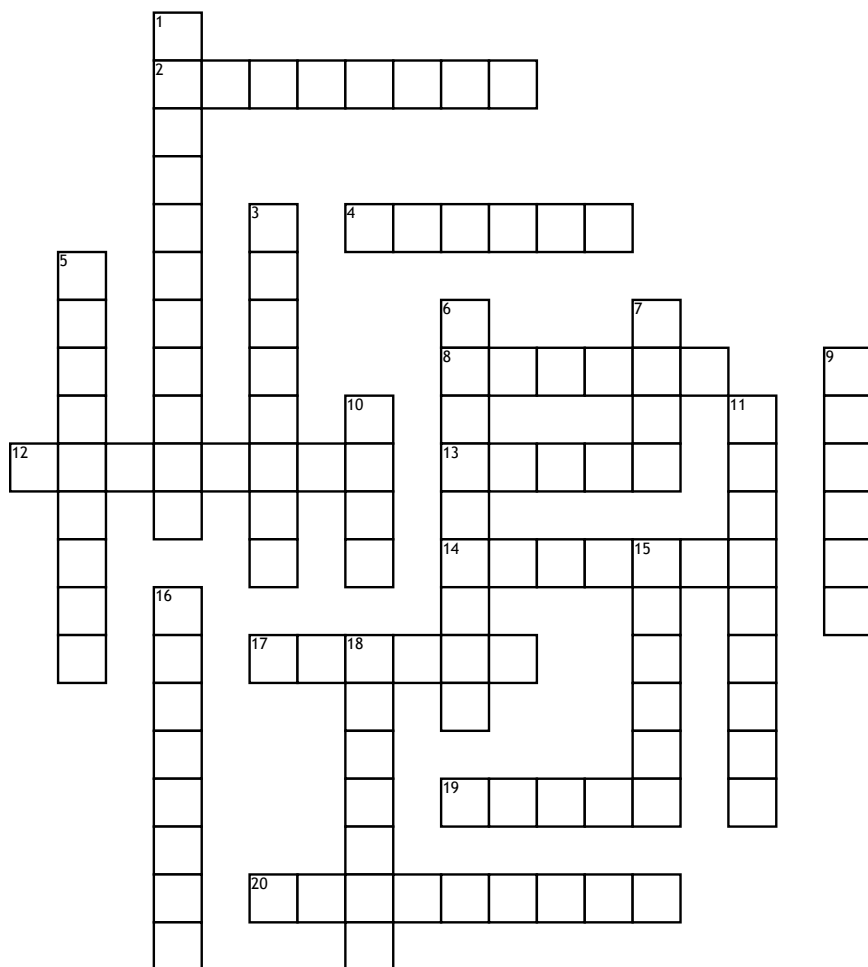


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# The First 20 Elements



Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Period	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		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
7	87 Fr	88 Ra		104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og
Lanthanides																		
Actinides																		

## Across

2. Burns with a squeaky pop

4. Smells like Rotorua (Rotten Eggs)

8. We need this to survive

12. Its added to our water to keep our teeth strong (not calcium).

13. Heavy nonreactive gas used in light bulbs

14. Element with the symbol Si

17. Makes balloons float in the air

19. Element with the chemical symbol B

20. Light metal used in kitchen foil

## Down

1. Used on the top of matches

3. Used to keep swimming pools hygienic

5. The hardest element to spell.

6. Chemical symbol is K. It is found in bananas

7. Used in bright signs for advertising

9. Metal that reacts violently with water. One part of salt.

10. A very heavy metal used for fishing sinkers

11. A metal that when burnt glows brightly

15. \_\_\_\_\_dioxide is the gas that we breath out

16. Makes up 80% of the air we breath (not oxygen)

18. We find this metal in the majority of our phone batteries.