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

Elements Tic-Tac-Toe

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|  |  |  |  |  |  |  |  | 3C |  O |  P |  P |  E |  R |  |  |  L |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  L |  | 4M |  |  C |  |  |  |
|  |  |  | 5L |  |  |  |  |  |  |  | 6T |  I |  T |  A |  N |  I |  U |  M |  |
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|  |  |  |  T |  |  |  | 7H |  | 8A |  L |  U |  M |  I |  N |  U |  M |  |  |  |
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|  |  | 12S |  U |  L |  F |  U |  R |  |  |  R |  |  | 13S |  I |  L |  I |  C |  O |  N |
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| 16N |  I |  T |  R |  O |  G |  E |  N |  |  |  |  | 17C |  A |  R |  B | 18O |  N |  |  |
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| **Across****3.** used in electrical equipment such as wiring and motors**6.** metal connects well with bone, so it has found surgical applications such as in joint replacements**8.** a silvery-white, lightweight metal. It is soft and malleable**12.** used for making car batteries, fertilizer, oil refining**13.**  is one of the most useful elements to mankind. Most is used to make alloys including dynamo and transformer plates, engine blocks, cylinder heads**15.** both an electrolyte and mineral**16.** used to make fertilizers, nitric acid, nylon**17.** used as a fuel. Can be turned into a diamond**19.** is used in laboratories for making thermometers**20.** Helps Control fluid balance found in bananas | **Down****1.** strengthens bones**2.** gas is used to inflate blimps, scientific balloons and party balloons**4.** is used in products that benefit from being lightweight, such as car seats, luggage, laptops**5.** used mostly in rechargeable batteries**7.** H Energy Source (water)**9.** Fe Carries Oxygen in blood**10.** is often used when an inert atmosphere is needed.**11.** It takes a high polish and is used to coat other metals to prevent corrosion**14.** It is needed for the body's immune system to properly work**18.** a gas that your body needs to work properly. Your cells need it to make energy |

   Iron        Hydrogen       Potassium        Sodium       Calcium       Zinc       Aluminum        Magnesium        Titanium        Oxygen       Silicon       Carbon       nitrogen       Sulfur       helium       argon       Mercury        lithium        tin       copper