The Transition Metals

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|  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | O |  |  |  |  |  | 2  C |  |  |  |  |
|  |  |  |  |  |  |  |  |  | Y |  | 3  M |  |  |  | O |  |  |  |  |
|  |  |  |  |  | 4  T | U | N | G | S | T | E | N |  |  | P |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 5  D | U | C | T | I | L | E |  |  |  |  |
|  |  |  |  | 6  G |  |  |  |  |  |  | U |  |  |  | R |  |  |  |  |
|  |  |  | 7  C | O | N | D | U | C | 8  T | O | R | S |  |  |  |  |  |  |  |
|  |  |  |  | L |  |  |  |  | I |  | Y |  |  |  |  |  |  |  |  |
|  |  |  |  | D |  |  |  |  | T |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 9  M | A | L | L | E | A | B | L | E |  |  |  |
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| **Across**  **4.** Has chemical symbol W  **5.** Transition metals are \_\_\_\_\_\_\_, meaning they can be hammered thin or stretched into wire  **7.** Transition metals are good \_\_\_\_\_\_\_\_\_ of heat and electricity.  **9.** Transition metals are \_\_\_\_\_\_, meaning they can be bent or molded into a different shape  **10.** Has atomic number 77 | **Down**  **1.** Several transition metals are used to make \_\_\_\_\_\_, or homogeneous mixtures of metals with other metals or nonmetals  **2.** The Statue of Liberty is made of this transition metal, which has oxidized to a green color  **3.** The only transition metal that is liquid at room temperature  **6.** Commonly used to make jewelry  **8.** Has the Noble Gas configuration [Ar] 3d2 4s2 |