Valence Electrons Puzzle

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| **Across**  **1.** Which element has 27 protons?  **3.** Which element has a full outer level with only 2 electrons?  **7.** Which element has 8 valence electrons and 2 energy levels?  **9.** Elements like to have 8 valence electrons. This is called an \_\_\_\_\_\_\_\_\_\_\_\_  **11.** Which Alkali metal has 4 energy levels?  **13.** Which element has 3 energy levels and 1 valence electron?  **14.** The element with 92 protons is called\_\_\_\_\_\_\_. | **Down**  **2.** The \_\_\_\_\_\_\_\_\_\_ metals have 1 valence electron?  **4.** Which element has 2 valence electrons and 3 energy levels?  **5.** Which chemical family has 7 valence electrons?  **6.** Which family is not reactive because they have eight valence electrons?  **8.** Hg is the chemical symbol for....  **10.** Fluorine has 10 neutrons and so does \_\_\_\_\_\_\_\_\_\_\_\_\_  **12.** Which element has 18 protons and 20 neutrons? |