Contract 3

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| **Across**  **1.** Smaller particles that make up protons and neutrons  **4.** Model which shows electrons traveling around the particles  **9.** Composed mostly of protons and neutrons in the nucleus  **11.** Factor that doesn't vary in an experiment  **12.** Positively charged proton of an atom  **14.** Negitivly charged part of an atom  **15.** Atoms of 2+ elements combined | **Down**  **2.** The amount of space occupied by an object  **3.** Located in the center of an atom  **5.** The number of protons in an atom also identifies the element  **6.** Smallest piece of matter but still has the properties of an element  **7.** Anything with mass and takes up space  **8.** Substance made up of atoms with the same identity  **10.** Atoms of the same element that have different numbers of atoms which gives them different properties  **13.** Neutral particle of an atom |