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

Particle Motion

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| **Across**  **2.** Protons and neutrons made up the ........ of the atom  **4.** Particles in it can slide past one another  **5.** Particles in it are in rows, close together  **7.** Protons, neutrons and electrons are called ............... particles  **8.** Protons have a ................ charge  **10.** A molecule has two or more atoms that are ................ bonded together.  **11.** Isotopes of the same element have the same number of ............. | **Down**  **1.** The mass of an electron is ................  **3.** The element with 13 protons and 14 neutrons is called .............  **6.** The number of protons in the nucleus of an atom is called the ....... number  **9.** The sum of the number of protons and neutrons in the nucleus of an atom is called the ............. number |