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MOLE DAY CROSSWORD

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| **Across**  **5.** The volume that one mole of any gas occupies at a specified temperature and pressure is called ?  **6.** Molar volume is sybolized by what?  **9.** Sum of the atomic masses of all atoms in a molecule?  **10.** A mole is symbolized by what?  **11.** In a atom what determines the identity of an element?  **13.** What is being shared in a covalent bond?  **14.** Since the masses of protons, neutrons, and electrons developed a unit to simplify the quantities. What is the unit called?  **15.** Only contains the ions of two elements? | **Down**  **1.** Contains a positive or negative ion that is made up of two or more atoms that share a net charge?  **2.** Contains cations that can have more than one charge?  **3.** When you observe a change in state, heat or light energy, odour, or clour what type of reaction is it?  **4.** Sum of the atomic masses of all atoms in an ionic compound?  **7.** What do you only use molar volume for?  **8.** Have the same number of protons but different number of neutrons?  **12.** Ionic compounds that decompose at low temperatures to produce water and a ionic compound? |