

Remember—we can't measure atoms, so in chemistry we Period ___ Date _____

“weigh” chemicals to count the particles. Calculate the formula mass (amu) for each item. Also give the MOLAR MASS (g)—this means the mass for one MOLE of that substance; the number is the SAME—just change the units to “g”. Show ALL work and be sure to use 4 significant figures in your calculations.

1. NaBr (sodium bromide)

2. HNO₃ (nitric acid)

3. H₂O (_____)

4. NaOH (sodium hydroxide)

5. CaCO₃ (calcium carbonate)

6. LiI (lithium iodide)

7. AgCl (silver chloride)

8. C₆H₁₂O₆ (glucose)

9. Ba(NO₃)₂ (barium nitrate)

10. Fe₂(SO₄)₃ (iron(III) sulfate)