Name	Date	period	

Find the formula mass (weight)

Objectives:

- 1. To learn how to add the atomic mass from a compound or a chemical formula
- 2. To learn that chemical formulas are made of atoms from different elements

Procedures:

- 1. Count the amount of atoms of each elements and add the mass
- 2. Write the total mass of the formulas and include your units at the end

Examples:

Sulfuric acid H_2SO_4	4 molecules of N 4 () = Ammonium acetate H (1) = 4NH ₄ CH ₃ COO C () = O () =
TOTAL = 98 amu	TOTAL
Ferric Sulfate 2 () = S () =	2 molecules of C 16 ()= Caffeine H (1)=
$Fe_2(SO_4)_3$ () = $TOTAL = $	$2C_8H_{10}(N_4O_2)_2$ $N 8 ()= O _ ()=$
	TOTAL

Name and chemical formula	Formula mass
Water H ₂ O	
Hydrogen peroxide 3H ₂ O ₂	
Terephthalic acid C ₆ H ₄ (COOH) ₂	

Name and chemical formula	Formula mass
Sugar C ₆ H ₁₂ O ₆	
Ammonium hydroxide NH ₄ OH	
Ammonium sulfide $2(NH_4)_2S$	
Sodium acetate NaCH ₃ COO	
Ammonium 3NH ₄ HCO ₃	
Acetic acid 4CH ₃ CO(OH) ₂	
Acetone 2(CH ₃ C) ₃ OCH ₃	