

WEIGHTS - R - US

Name KEY
Date _____ Per. _____

Calculate the molar masses (aka molecular weights or gfm) of the following compounds. Show your work!!! Report your answers to the nearest 0.01 g. Then, name each compound.

1. $C_2H_6 = 30.08 \frac{g}{mol}$

Dicarbon Hexahydride
or ethane

2. $H_3PO_4 = 98.00 \frac{g}{mol}$

Phosphoric Acid

3. $CaCl_2 = 110.98 \frac{g}{mol}$

Calcium Chloride

4. $KI = 166.00 \frac{g}{mol}$

Potassium Iodide

5. $Fe(NO_3)_3 = 241.88 \frac{g}{mol}$

Iron (III) Nitrate

6. $Na_2SO_3 = 126.05 \frac{g}{mol}$

Sodium Sulfite

7. $AlF_3 = 83.98 \frac{g}{mol}$

Aluminum Fluoride

8. $NH_3 = 17.03 \frac{g}{mol}$

Nitrogen Trihydride
or Ammonia

9. $Mg(OH)_2 = 58.33 \frac{g}{mol}$

Magnesium Hydroxide

10. $NaHCO_3 = 84.01 \frac{g}{mol}$

Sodium Hydrogen carbonate
or

Sodium Bicarbonate