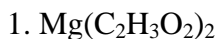


PRACTICE PROBLEMS:

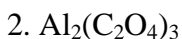
Calculate the mass of one mole of each of these substances. (Optional: try naming each)

When calculating molar masses, DO NOT round the answer – you typically will do “something” with this answer.



Answer:

Mg	=	24.30 g / mol	=	24.30 g / mol
C	=	(4) 12.01 g / mol	=	48.04 g / mol
H	=	(6) 1.008 g / mol	=	6.048 g / mol
O	=	(4) 16.00 g / mol	=	64.00 g / mol
<hr/>				
142.388 g / mol				



Answer:

Al	=	(2) 26.98 g / mol	=	53.96 g / mol
C	=	(6) 12.01 g / mol	=	72.06 g / mol
O	=	(12) 16.00 g / mol	=	192.0 g / mol
<hr/>				
318.02 g / mol				



Answer: CaC_2O_4 (not one of your ten polyatomics)

Ca	=	40.08 g / mol	=	40.08 g / mol
C	=	(2) 12.01 g / mol	=	24.02 g / mol
O	=	(4) 16.00 g / mol	=	64.00 g / mol
<hr/>				
128.10 g / mol				



Answer: Fe_2S_3

Fe	=	(2) 55.85 g / mol	=	111.7 g / mol
S	=	(3) 32.06 g / mol	=	96.18 g / mol
<hr/>				
207.88 g / mol				