## Question \#47824, Chemistry, Other

How many grams of sodium iodide, Nal, must be used to produce 15.3 g of iodine, 12

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Answer:
n=m/M
M(Nal)=150 g/mol
M(I2)=254 g/mol
n}(\mp@subsup{\textrm{I}}{2}{})=\frac{n(\textrm{NaI})}{2}=m/M=15.3/254=0.0
n(NaI)=2n(I2)=0.06*2=0.12
m(Nal)=0.12*150=18g
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