Answer on Question #77205, Chemistry / General Chemistry

calculate the number of moles in 64.1g aluminum

Solution

To find amount of chemical substance we should use the formula:

$$n = \frac{m}{M}$$

Where n –amount of chemical substance

m- mass of a substance

M – molar mass of a substance

Ar(Al) = 27,

M(Al) = Ar (Al)

M(Al) = 27g/mol

$$n(Al) = \frac{64.1\ g}{27g/mol} = 2.4\ mol$$

Answer: 2.4 mol

Answer provided by AssignmentExpert.com