

# THE MOLE AND AVOGADRO'S NUMBER

Name \_\_\_\_\_

One mole of a substance contains Avogadro's Number ( $6.02 \times 10^{23}$ ) of molecules.

How many molecules are in the quantities below?

1. 2.0 moles

2. 1.5 moles

3. 0.75 mole

4. 15 moles

5. 0.35 mole

How many moles are in the number of molecules below?

1.  $6.02 \times 10^{23}$

2.  $1.204 \times 10^{24}$

3.  $1.5 \times 10^{20}$

4.  $3.4 \times 10^{26}$

5.  $7.5 \times 10^{19}$