

Name:

Grade:

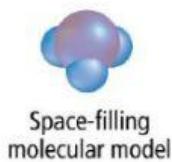
Date:

Chemistry Chapter 4.3 – Molecular Shapes

Structural Diagrams

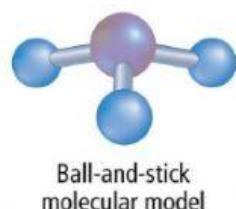
Covalent molecules have different structures than substances with ionic bonds.

PH_3
Molecular formula



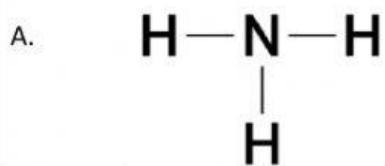
$\begin{array}{c} \text{H} & - & \text{P} & - & \text{H} \\ & & | & & \\ & & \text{H} & & \end{array}$
Structural formula

$\begin{array}{c} \text{H} & - & \ddot{\text{P}} & - & \text{H} \\ & & | & & \\ & & \text{H} & & \end{array}$
Lewis structure



Match the followings

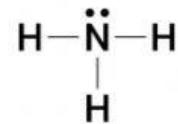
1. molecular formula of ammonia NH_3



2. Ball and stick model of ammonia NH_3



3. Space filling model of ammonia NH_3



4. Structural formula of ammonia NH_3



5. Lewis structure for ammonia

