



## 671-2105 Caffeine Molecule

Caffeine is an alkaloid found in over 60 species of plants, most famously coffee. It is actually used by plants as an insecticide, as it is highly toxic in high doses. In low doses, it acts as a stimulant, and is commonly used by people for this purpose. It provides a modest stimulant effect with few side effects.

The chemical formula for caffeine is  $C_8H_{10}N_4O_2$ . The carbon atoms form a sort of 'skeleton', while the oxygen and hydrogen atoms form the rest of the molecule. This particular molecule is easy to assemble.

To assemble your molecule, notice the holes on each particular atom. Press a connector firmly into this hole until it is flush with the surface of the atom. The connection should be firm but still easy to disassemble. Your molecule can be put together and taken apart as many times as you wish.

### **Warranty and Parts:**

We replace all defective or missing parts free of charge. Additional replacement parts may be ordered toll-free. We accept MasterCard, Visa, checks and School P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. Intended for children 13 years of age and up. This item is not a toy. It may contain small parts that can be choking hazards. Adult supervision is required.