

Hydrocarbon Nomenclature "Cootie Catcher"

by Dean Campbell, Bradley University, 2011

To assemble, cut out the square template and then carefully fold in the order described below. Folds along the dashed lines move paper toward the center of the printed side; folds along the solid lines move paper away from the center of the printed side. For an instructional video, search "chemistry cootie catcher" on YouTube.com.

 First folds
  Second folds
  Third folds
  Fourth folds



Suggested use:

- 1) Select a word on the outside faces of the points and spell out the word while opening and closing points in alternate directions.
- 2) Select the number of carbon atoms among the exposed inside faces of the points.
- 3) Turn up the flap under those numbers of carbon atoms to find their corresponding names.

<p>contains only single bonds</p> <p>alkane</p> <p>Dean Campbell Bradley University 2011</p>	<p>1 carbon</p> <p>methane ethane methyl ethyl</p>	<p>2 carbons</p> <p>ethene ethyne</p>	<p>contains a double bond</p> <p>alkene</p>
<p>8 carbons</p> <p>octane octene octyne octyl</p>			<p>3 carbons</p> <p>propane propene propyne propyl</p>
<p>heptane heptene heptyne heptyl</p>			<p>butane butene butyne butyl</p>
<p>7 carbons</p> <p>alkyl molecular fragment</p>	<p>6 carbons</p> <p>hexane hexene hexyne hexyl</p>	<p>5 carbons</p> <p>pentane pentene pentyne pentyl</p>	<p>4 carbons</p> <p>alkyne contains a triple bond</p>