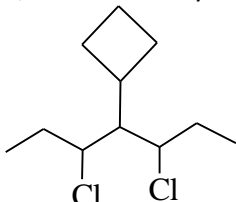
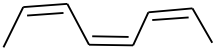
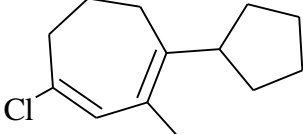
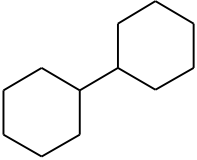
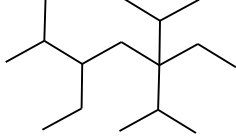
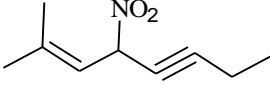
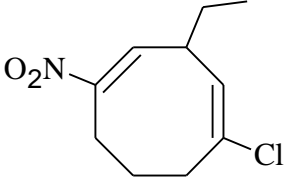
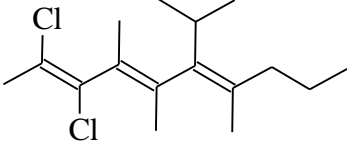
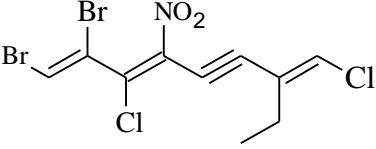
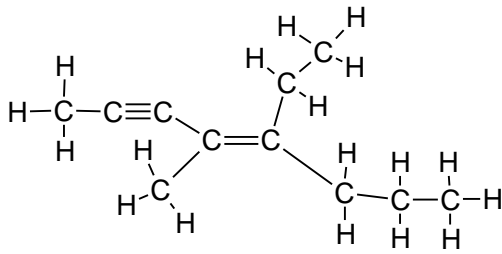
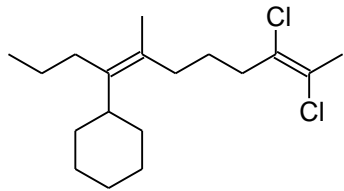
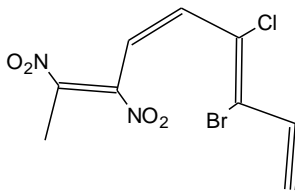
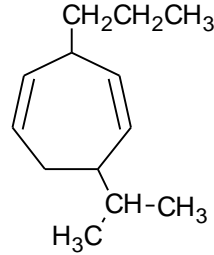
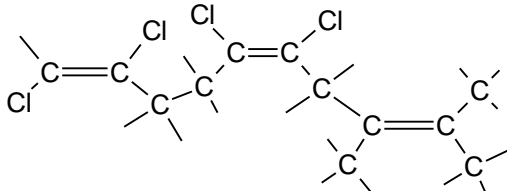
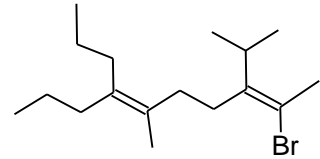
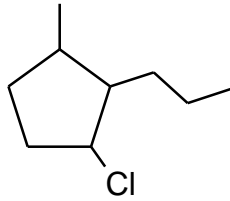


## Hydrocarbons Worksheet ANSWERS

Draw the following hydrocarbons. Make sure you know how to do line diagrams, condensed formulas and structural formulas.

<p>1. Dichloromethane</p> $\begin{array}{c} \text{Cl} \\   \\ \text{Cl}-\text{C}-\text{H} \\   \\ \text{H} \end{array}$	<p>2. 3,5-dichloro-4-cyclobutylheptane</p> 
<p>3. <i>Cis</i>-2,4,6-octatriene</p> 	<p>4. 4-chloro-1-cyclopentyl-2-methyl-1,3-cycloheptadiene</p> 
<p>5. Cyclohexylcyclohexane</p> 	<p>6. 3-ethyl-5,5-diisopropyl-2-methyloctane</p> 
<p>7. 2-methyl-4-nitroocta-2-ene-5-yne</p> 	<p>8. 5-chloro-3-ethyl-1-nitro-1,4-cyclooctadiene</p> 
<p>9. <i>trans</i>-2,3-dichloro-6-isopropyl-4,5,7-trimethyl-2,4,6-decatriene</p> 	
<p>10. 1,2-dibromo-3,8-dichloro-7-ethyl-4-nitroocta-cis-1-trans-3,7-triene-5-yne</p> 	

Name the following hydrocarbons.

<p>1.</p>  <p>trans-5-ethyl-4-methyloct-4-ene-2-yne</p>	<p>2.</p>  <p>trans-2,3-dichloro-7-cyclohexyl-6-methyldecadiene</p>
<p>3.</p> <p><math>\text{CH}_3\text{CHCH}(\text{CH}_2)_3\text{CCCH}_2\text{CH}_3</math></p> <p>deca-2-ene-7-yne</p>	<p>4.</p>  <p>3-bromo-4-chloro-7,8-dinitronon-cis-5-trans-3,7-8-yne</p>
<p>5.</p>  <p>4-n-propyl-1-t-butyl-2,5-cycloheptadiene</p>	<p>6.</p>  <p>1,2,5,6-tetrachloro-8,9-dimethyl-8-cis-1-trans-5-decatriene</p>
<p>7.</p>  <p>trans-2-bromo-3-isopropyl-7-n-propyl-6-methyl-2,6-decadiene</p>	<p>8.</p>  <p>1-chloro-3-methyl-2-n-propylcyclopentane</p>
<p>9.</p> <p><math>\text{H}_3\text{C}-\text{CH}=\text{CH}-(\text{CH}_2)_2-\text{C}(\text{Cl})_2=\text{C}-\text{CH}_3</math></p> <p>cis-2,3-dichloro-2,6-octadiene</p>	<p>10.</p> <p><math>\text{CH}_3(\text{CH}_2)_8\text{CH}_3</math></p> <p>decane</p>