

**WS 10.4 ORGANIC NAMING**

Name (yours): \_\_\_\_\_

Name	Complete structural formula	Line formula	Condensed structural formula	Mol. form
1) butane			CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	C <sub>4</sub> H <sub>10</sub>
2) heptane			CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub>	C <sub>7</sub> H <sub>16</sub>
3) 2-fluorooctane			CH <sub>3</sub> CHF(CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub>	C <sub>8</sub> H <sub>17</sub> F
4) 3-iododecane			CH <sub>3</sub> CH <sub>2</sub> CHI(CH <sub>2</sub> ) <sub>6</sub> CH <sub>3</sub>	C <sub>10</sub> H <sub>21</sub> I
5) 1,1,1-tribromo-2,2-difluoropropane			CBr <sub>3</sub> CF <sub>2</sub> CH <sub>3</sub>	C <sub>3</sub> H <sub>3</sub> Br <sub>3</sub> F <sub>2</sub>
6) 2-chloro-1-fluoropentane			CH <sub>2</sub> FCHCl(CH <sub>2</sub> ) <sub>2</sub> CH <sub>3</sub>	C <sub>5</sub> H <sub>10</sub> FCI
7) 1,2,4-tribromobutane			CH <sub>2</sub> BrCHBrCH <sub>2</sub> CH <sub>2</sub> Br	C <sub>4</sub> H <sub>7</sub> Br <sub>3</sub>
8) 1-iodo-3-methyloctane			CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH(CH <sub>3</sub> )CH <sub>2</sub> I	C <sub>9</sub> H <sub>19</sub> I
9) nonane			CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>7</sub> -CH <sub>3</sub>	C <sub>9</sub> H <sub>20</sub>
10) 4-bromo-2-fluorohexane			CH <sub>3</sub> -CHF-CH <sub>2</sub> -CHBr-CH <sub>2</sub> -CH <sub>3</sub>	C <sub>6</sub> H <sub>12</sub> FBr
11) 4,5,7-trimethyldecane			CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CH(CH <sub>3</sub> )CH(CH <sub>3</sub> )CH <sub>2</sub> CH(CH <sub>3</sub> )(CH <sub>2</sub> ) <sub>2</sub> CH <sub>3</sub>	C <sub>13</sub> H <sub>28</sub>
12) ethane			CH <sub>3</sub> -CH <sub>3</sub>	C <sub>2</sub> H <sub>6</sub>
13) 2,3-difluoropentane			CH <sub>3</sub> CHFCHFCH <sub>2</sub> CH <sub>3</sub>	C <sub>5</sub> H <sub>10</sub> F <sub>2</sub>
14) 1,1,1-tribromo-2-fluorooctane			CBr <sub>3</sub> CHF(CH <sub>2</sub> ) <sub>4</sub> CH <sub>2</sub> CH <sub>3</sub>	C <sub>8</sub> H <sub>14</sub> Br <sub>3</sub> F
15) methane	CH <sub>4</sub>	N/A	CH <sub>4</sub>	CH <sub>4</sub>