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| **Directions:** 1. Organize the chemicals into categories of your choosing. Pay less attention to the number of carbon atoms, and more attention to the new elements that make these compounds not hydrocarbons and their properties.
2. Think about how these chemicals will be named. For each category, decide if they need one organic prefix (meth-, eth-) or two separate prefixes.
 | \\WFFS1\Teachers\kdrury\download (1).pngBoiling Point: 78°CMelting Point: -114°CWater SolubleFlammable |
| \\WFFS1\Teachers\kdrury\download (2).pngBoiling Point: 97°CMelting Point: -126°CWater SolubleFlammable  | \\WFFS1\Teachers\kdrury\download (3).pngBoiling Point: 117°CMelting Point: -90°CWater SolubleFlammable  |
| Boiling Point: -24°CMelting Point: -141°C\\WFFS1\Teachers\kdrury\download.jpgWater InsolubleAnesthetic | \\WFFS1\Teachers\kdrury\download (4).pngBoiling Point: 34°CMelting Point: -116°CWater InsolubleAnesthetic  |
| \\WFFS1\Teachers\kdrury\images (1).pngBoiling Point: 34°CMelting Point: -116°CWater InsolubleAnesthetic  | \\WFFS1\Teachers\kdrury\download (13).pngBoiling Point: -19°CMelting Point: -92°CWater SolublePreservativeCarcinogen |
| H:\download.pngBoiling Point: 20°CMelting Point: -123°CWater SolublePreservativeCarcinogen | Boiling Point: 49°C\\WFFS1\Teachers\kdrury\images (5).pngMelting Point: -81°CWater SolublePreservativeCarcinogen |
| \\WFFS1\Teachers\kdrury\download (12).pngBoiling Point: 56°CMelting Point: -95°CWater SolubleIndustrial solvent | H:\butanone-lewis2.pngBoiling Point: 80°CMelting Point: -86°CWater SolubleIndustrial solvent   |
| \\WFFS1\Teachers\kdrury\download (7).pngBoiling Point: 101°CMelting Point: 8.4°CWater SolubleLow pH | \\WFFS1\Teachers\kdrury\download (8).pngBoiling Point: 118°CMelting Point: 17°CWater SolubleLow pH |
| \\WFFS1\Teachers\kdrury\download (9).pngBoiling Point: 164°CMelting Point: -8°CWater SolubleLow pH | \\WFFS1\Teachers\kdrury\download (5).pngBoiling Point: 57°CMelting Point: -98°CWater InsolublePleasant odor |
| Boiling Point: 99°C\\WFFS1\Teachers\kdrury\images (2).pngMelting Point: -74°CWater InsolublePleasant odor | Boiling Point: 77°CMelting Point: -84°C\\WFFS1\Teachers\kdrury\download (6).pngWater InsolublePleasant odor |
| \\WFFS1\Teachers\kdrury\download (11).pngBoiling Point: 17°CMelting Point: -80°CWater SolubleBasicBad odorIn proteins | \\WFFS1\Teachers\kdrury\download (10).pngBoiling Point: -6°CMelting Point: -93°CWater SolubleBasicBad odorIn proteins |
| \\WFFS1\Teachers\kdrury\images (3).pngBoiling Point: 210 °CMelting Point: 2°CWater SolubleUsed in dyes, pesticides, fuel,and cleaning agents. | Image result for amideBoiling Point: 222°CMelting Point: 176°CWater SolubleUsed in dyes and creating plastics. |