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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°C  Melting Point: -114°C  Water Soluble  Flammable |
| \\WFFS1\Teachers\kdrury\download (2).pngBoiling Point: 97°C  Melting Point: -126°C  Water Soluble  Flammable | \\WFFS1\Teachers\kdrury\download (3).pngBoiling Point: 117°C  Melting Point: -90°C  Water Soluble  Flammable |
| Boiling Point: -24°C  Melting Point: -141°C  \\WFFS1\Teachers\kdrury\download.jpgWater Insoluble  Anesthetic | \\WFFS1\Teachers\kdrury\download (4).pngBoiling Point: 34°C  Melting Point: -116°C  Water Insoluble  Anesthetic |
| \\WFFS1\Teachers\kdrury\images (1).pngBoiling Point: 34°C  Melting Point: -116°C  Water Insoluble  Anesthetic | \\WFFS1\Teachers\kdrury\download (13).pngBoiling Point: -19°C  Melting Point: -92°C  Water Soluble  Preservative  Carcinogen |
| H:\download.pngBoiling Point: 20°C  Melting Point: -123°C  Water Soluble  Preservative  Carcinogen | Boiling Point: 49°C  \\WFFS1\Teachers\kdrury\images (5).pngMelting Point: -81°C  Water Soluble  Preservative  Carcinogen |
| \\WFFS1\Teachers\kdrury\download (12).pngBoiling Point: 56°C  Melting Point: -95°C  Water Soluble  Industrial solvent | H:\butanone-lewis2.pngBoiling Point: 80°C  Melting Point: -86°C  Water Soluble  Industrial solvent |
| \\WFFS1\Teachers\kdrury\download (7).pngBoiling Point: 101°C  Melting Point: 8.4°C  Water Soluble  Low pH | \\WFFS1\Teachers\kdrury\download (8).pngBoiling Point: 118°C  Melting Point: 17°C  Water Soluble  Low pH |
| \\WFFS1\Teachers\kdrury\download (9).pngBoiling Point: 164°C  Melting Point: -8°C  Water Soluble  Low pH | \\WFFS1\Teachers\kdrury\download (5).pngBoiling Point: 57°C  Melting Point: -98°C  Water Insoluble  Pleasant odor |
| Boiling Point: 99°C  \\WFFS1\Teachers\kdrury\images (2).pngMelting Point: -74°C  Water Insoluble  Pleasant odor | Boiling Point: 77°C  Melting Point: -84°C  \\WFFS1\Teachers\kdrury\download (6).pngWater Insoluble  Pleasant odor |
| \\WFFS1\Teachers\kdrury\download (11).pngBoiling Point: 17°C  Melting Point: -80°C  Water Soluble  Basic  Bad odor  In proteins | \\WFFS1\Teachers\kdrury\download (10).pngBoiling Point: -6°C  Melting Point: -93°C  Water Soluble  Basic  Bad odor  In proteins |
| \\WFFS1\Teachers\kdrury\images (3).pngBoiling Point: 210 °C  Melting Point: 2°C  Water Soluble  Used in dyes, pesticides, fuel,  and cleaning agents. | Image result for amideBoiling Point: 222°C  Melting Point: 176°C  Water Soluble  Used in dyes and creating plastics. |