



Common name: water  
Chemical name: dihydrogen monoxide

Properties:

Melting point 0° C  
Density 1.0 g/cm<sup>3</sup>  
Not conductive  
Soluble in water

Appearance:

Clear, colorless liquid  
Odorless

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Common name: carbon dioxide  
Chemical name: carbon dioxide

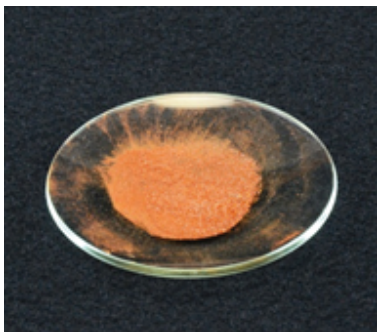
Properties:

Melting point -78° C  
Density 0.002 g/cm<sup>3</sup>  
Not conductive  
Soluble in water  
Positive limewater test

Appearance:

Clear, colorless gas  
Odorless

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Common name: rust  
Chemical name: iron oxide

Properties:

Melting point 1566° C  
Density 5.24 g/cm<sup>3</sup>  
Not conductive  
Not soluble in water

Appearance:

Reddish-brown, flaky solid

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Common name: sodium acetate  
Chemical name: sodium acetate

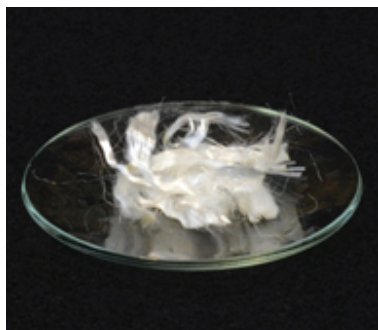
Properties:

Melting point 324° C  
Density 1.53 g/cm<sup>3</sup>  
Conductive when dissolved  
Soluble in water

Appearance:

White, powdery solid  
Clear, colorless liquid when dissolved

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Common name: nylon  
Chemical name: nylon 6,6

Properties:

Melting point 269° C  
Density 1.14 g/cm<sup>3</sup>  
Not conductive  
Not soluble in water

Appearance:

White, stringy/fibrous solid

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Common name: water  
Chemical name: dihydrogen monoxide

Properties:

Melting point 0° C  
Density 1.0 g/cm<sup>3</sup>  
Not conductive  
Soluble in water

Appearance:

Clear, colorless liquid  
Odorless

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Common name: vinegar  
Chemical name: acetic acid

Properties:

Melting point 16° C  
Density 1.01 g/cm<sup>3</sup>  
Conductive  
Soluble in water

Appearance:

Clear, colorless liquid  
Smelly (pungent)

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Common name: baking soda  
Chemical name: sodium bicarbonate

Properties:

Melting point 50° C  
Density 2.20 g/cm<sup>3</sup>  
Conductive when dissolved  
Soluble in water

Appearance:

White, powdery solid  
Clear, colorless liquid when dissolved

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Common name: oxygen gas  
Chemical name: oxygen gas

Properties:

Melting point -219° C  
Density 0.001 g/cm<sup>3</sup>  
Not conductive  
Soluble in water  
Positive splint test

Appearance:

Clear, colorless gas  
Odorless

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Common name: steel wool  
Chemical name: iron

Properties:

Melting point 1538° C  
Density 7.87 g/cm<sup>3</sup>  
Conductive  
Not soluble in water

Appearance:

Blackish-grey, shiny metal solid

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Common name: adipic acid  
Chemical name: adipic acid

Properties:

Melting point 152° C  
Density 1.36 g/cm<sup>3</sup>  
Conductive  
Soluble in water

Appearance:

White powdery solid  
Clear, colorless liquid when dissolved  
Odorless

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Common name: hexamethylenediamine  
Chemical name: hexamethylenediamine

Properties:

Melting point 42° C  
Density 0.84 g/cm<sup>3</sup>  
Conductive when dissolved  
Soluble in water

Appearance:

White, powdery solid  
Clear, colorless liquid when dissolved  
Smelly (fishy, ammonia-like)

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