Weather

Clouds
Early morning fog

Courtesy of NOAA, Image Source: Earth Science World Image Bank
Beach Fog

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Stratus Clouds

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Altostratus and Stratus Clouds
Cumulus Cloud

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Cumulus Clouds

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Cumulus Clouds

Bob Williams, Courtesy of NOAA, Image Source: Earth Science World Image Bank
Cumulus Clouds in Rows

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Tops of Cumulus Clouds
Cumulonimbus Clouds

Courtesy of NOAA, Image Source: Earth Science World Image Bank
Cumulonimbus Clouds

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Cumulonimbus Clouds

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Stratocumulus Clouds

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Stratocumulus Clouds

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Altocumulus Clouds

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Globular Mammatus Clouds

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Lenticular Cloud

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Orographic Clouds

© John Ballard, Image Source: Earth Science World Image Bank
Cirrus Clouds

Ralph F. Kresge, Courtesy of NOAA, Image Source: Earth Science World Image Bank
Weather

Clouds
Early morning fog on a lake. Fog is simply a cloud that is close to the ground. Like other clouds it is composed of water droplets too small to fall of their own weight, so they remain suspended in the air.
Pismo Beach fog.
Stratus clouds over Seattle. This layer implies stable air conditions in this area, without convection or turbulence that tend to mix the air in the lower atmosphere much of the time.
Altostratus and Stratus Clouds

Gulf of Alaska sunrise with altostratus and stratus.
These stratocumulus clouds over Monument Valley in Arizona indicate a stable air mass.

Flat bases of clouds mark condensation level - the altitude at which rising air reaches the dew point. The air is rising due to convection currents from solar radiation and re-radiation from the ground. Un-heating like this of the lower atmosphere creates convection currents.
Cumulus Clouds

Cumulus clouds over a plain.

Large cumulus clouds mark rising currents associated with convection. These clouds rise until they run out of heat energy or evaporate. In the foreground is broken stratus clouds, suggesting moderate horizontal flow in the foreground, and vigorous vertical flow in the background.
Red sunset lights this towering cumulus cloud over the Hart Prairie Preserve on the slopes of the San Francisco Peaks.
Cumulus clouds and sun rays shining through.
Cumulus Clouds in Rows

Rows of cumulus clouds.
Tops of cumulus clouds.
Cumulonimbus clouds.
Cumulonimbus thunderstorms in their early stage of development.
Cumulonimbus clouds.
These stratocumulus clouds over Monument Valley in Arizona indicate a stable air mass.
Stratocumulus clouds over Idaho.
Altocumulous Clouds

Altocumulous cloud cover over the Gulf of Alaska.
Globular mammatatus clouds associated with thunderstorms, taken in 1970.
Lenticular cloud over hills.
Orographic clouds in Wyoming. Orographic refers to clouds caused by the physical geography of an area. In this case most likely mountains.
Cirrus Clouds

Cirrus clouds.

Ralph F. Kresge, Courtesy of NOAA. Image Source: Earth Science World Image Bank