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Steam fogs! In winter fogs are often formed by moist and relatively warm air blowing over a colder surface. Fogs may also be formed by the reverse process: cold air moving over warmer water, but these are very light. They occur in the Arctic, where they are called "Arctic sea smoke". This "smoke" is caused by the warm, moist air rising from the water, which is cooled by the overlying cold air. The water vapor then condenses into fog particles. These conditions, that is, light, warm air immediately at the surface, is an unstable one, and there is rapid mixing which dilutes the fog as fast as it is formed. Under other conditions the fog may persist, producing bad visibility. -----