



National Weather Service

Definitions for DENSE FOG

DENSE FOG ADVISORY - issued when widespread dense fog develops. When this happens, visibilities frequently drop to one-quarter of a mile or less. These conditions make travel dangerous.

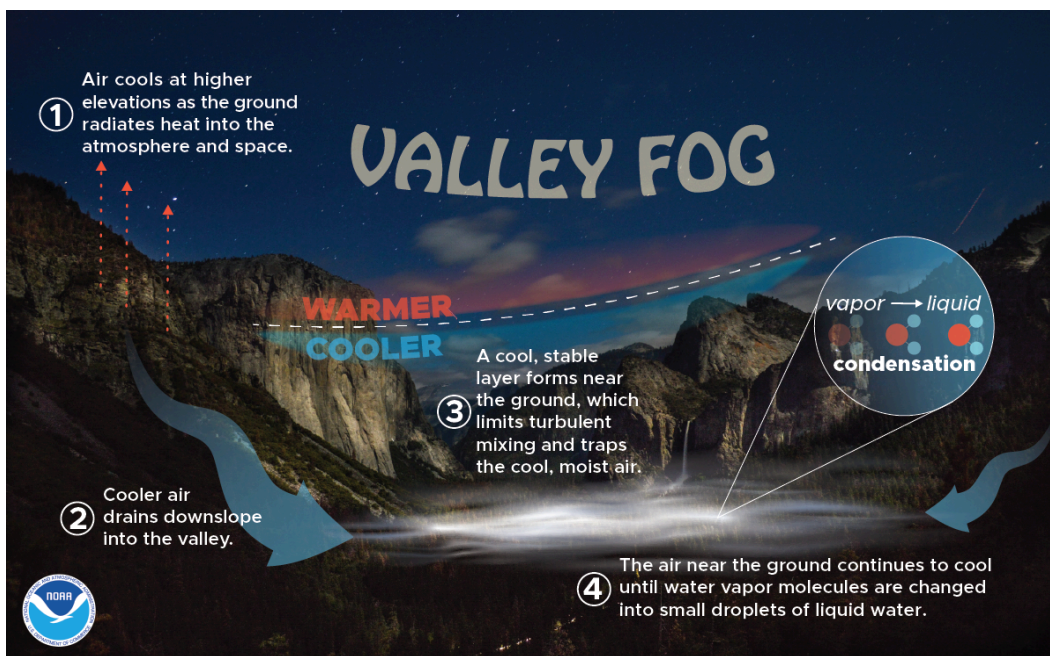


Small Decisions can have a **BIG IMPACT.**

- Slow down when visibility is reduced
- Don't use cruise control
- Delay travel until conditions improve

Don't let a bad decision be your last.

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VALLEY FOG

① Air cools at higher elevations as the ground radiates heat into the atmosphere and space.

② Cooler air drains downslope into the valley.

③ A cool, stable layer forms near the ground, which limits turbulent mixing and traps the cool, moist air.

④ The air near the ground continues to cool until water vapor molecules are changed into small droplets of liquid water.

WARMER
COOLER

vapor → liquid
condensation

