

NAME:

In meteorology, visibility is a measure of the distance at which an object or light can be clearly discerned. It is reported either in meters or miles, depending upon the country. Visibility affects all forms of traffic: roads, sailing and aviation. Physically, visibility is related to the absence or presence of light scattering off the moisture droplets or other scattering centers (dust, smoke etc.) in the air.

Questions (provide clear explanations of underlying science):

1. **What kind of weather** will most probably provide **excellent visibility** (when an object or light can be clearly seen from far away) and **why**?

2. **What kind of weather** will most probably provide **poor visibility** (when an object or light can be clearly seen only from a very short distance) and **why**?

3. Check yourself: did you answer both “why?” parts of the questions above? 😊