

*occur without clouds?* Sometimes a sudden fall of temperature will produce rain without forming visible clouds. *Why does more rain fall in March and April than in July and August?*

Because the changes in temperature are more frequent, and every fall of temperature in the air condenses its vapor. *Why then, is the weather not*

*colder before a rain?*

Because this change in temperature is in the upper currents of air, and not on the surface of the earth. *What is snow?* Snow consists of the watery particles of the atmosphere frozen for the most part in a

crystalline form. *Why is snow white?* On account of the aggregate reflection of light from the sides of minute crystals.

*Why are high mountain peaks covered with snow?*

Because the upper regions of the atmosphere are intensely cold. *What is the cause of hail?* If the rain-drops in falling pass through a current of air of low temperature the drops become frozen and

fall as hail. *What is sleet?* If snow, in falling, passes through a warm current of air, it is partially melted and becomes sleet.

*How far is the sun from the earth?* Ninety-one million miles. *What is light?* Light is that mode of motion which is capable of affecting the optic nerve. It is the vibration of an



*Stratus Clouds.*



*Nimbus Clouds.*