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phytotropins and uvr8 each of these plant photo pigments performs a different role for example plants have two types of chlorophyll molecules chlorophyll a b each of these reflects green light meaning that green light cannot be used for photosynthesis to help capture a bit more of the spectrum plants have accessory pigments called carotenoids that reflect yellow orange and red light absorbing a portion of the green in plants pigment molecules absorb only visible light for photosynthesis the visible light seen by humans as white light actually exists in a rainbow of colors certain objects such as a prism or a drop of water disperse white light to reveal these colors to the human eye naturally occurring red pigments in plants are carotenoids anthocyanins and betacyanins natural pigments apart from colour provide added properties and are therefore considered to be bioactive constituents red natural colorants are one of the most widely used in the food industry plant pigments usually refer 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