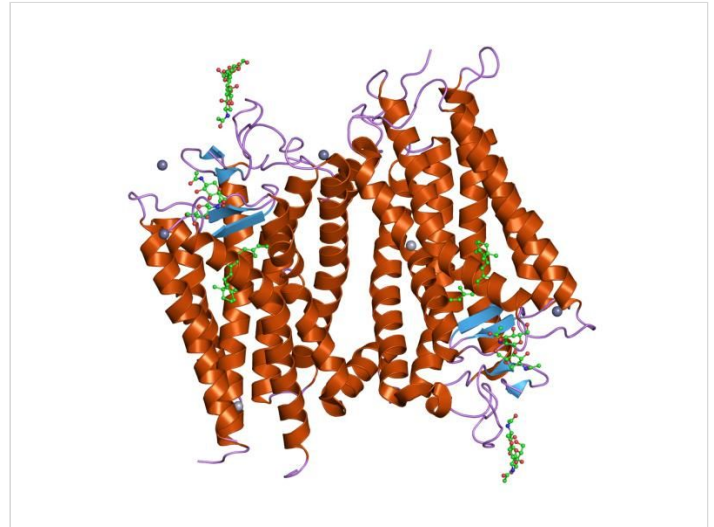
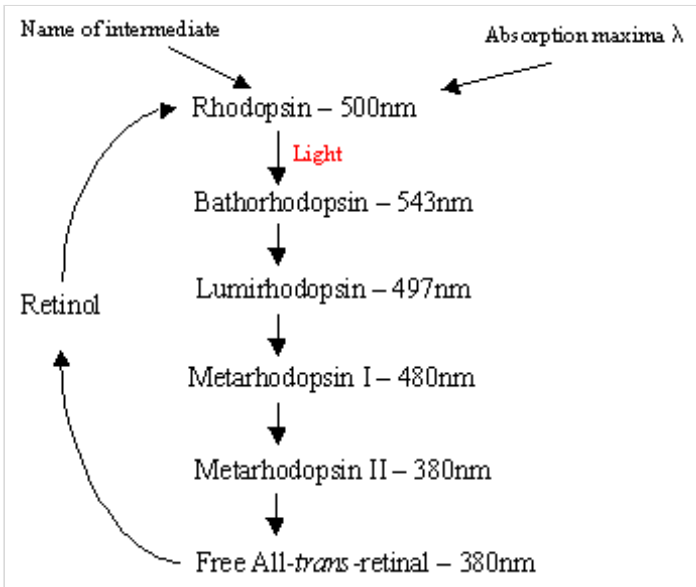


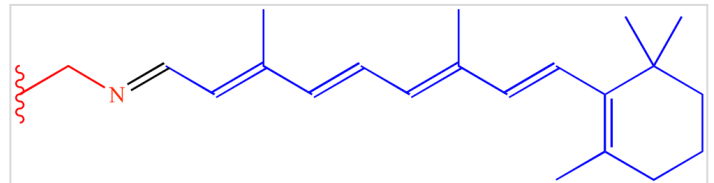
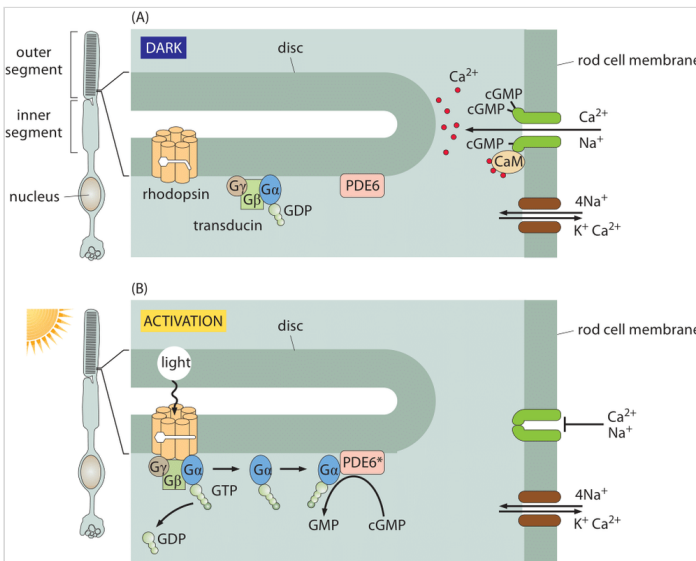
Rhodopsin

Awesome :)

LAURYN RUEGG NOV 28, 2017 02:53PM



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Importance of Rhodopsin

Rhodopsin is the protein that allows seeing animals to see in dim light. It absorbs light that helps in the photoreception process. Without rhodopsin, the eye can't see clearly in dim lighting.

New light sensing molecule discovered in the fruit fly brain

Fruit flies already have six rhodopsins in their

eyes, but a new study found a seventh rhodopsin, Rh7. Rh7 is expressed in the part of the fruit flie's brains where day-night activity cylces are regulated. The studies the researchers did could help advance future research on degenerative retinal disorders.

NIH/National Eye Institute. "New light sensing molecule discovered in the fruit fly brain: The discovery could help inform

future research into degenerative retinal disorders."

ScienceDaily. ScienceDaily, 10 May 2017.

www.sciencedaily.com/releases/2017/05/170510132022.htm.

Rhodopsin Function

A chemical reaction occurs when light collides with rhodopsin protein. This chemical reaction creates electrical signals which are transmitted to the brain where it is interpreted as vision.

Rhodopsin Location

Rhodopsin is found in specialized light receptor cells called rods. As part of the light sensitive tissue at the back of the eye (the retina), rods can provide vision in the low light. Other light receptor cells in the retina, called cones are responsible for vision in bright light.

Location of Protein
