Benjamin Ha

6.

A. Pigments such as chlorophyll are needed for photosynthesis because chlorophyll absorbs visual light very well.

B. If a plant grew under pure yellow light, it would not grow so well because chlorophyll does not pick up yellow as well as true white light.

7.

A. The function of NADPH is to “carry” high level electrons.

B. Light energy is captured which is then converted into ATP. Water is the source of these reactions which give off the by-product oxygen. Then plants absorb CO2 which contains sugars and other carbohydrates. Atp and NADPH molecules then produces high energy sugars. No light is required for this step.

8.

A.

Light – Dependent Reactions . Light is absorb which is used to be converted into ATP. Water is then a source of the reactions which give off the by-product oxygen.

Light – Independent Reactions Then plants absorb CO2 which contains sugars and other carbohydrates. Atp and NADPH molecules then produces high energy sugars. No light is required for this step.