Photosynthesis

	– tl	ne conversion (changing) of	into	
		are the only		
cap	ture energy in	and use it to synthesize food		
	•	are the main	organ.	
	of all n	striking a leaf is _		
		absorbed in the regions can be used in		
– <u> </u>		_ wavelengths are		
<u>Chloroplasts</u>				
		composed of	, disc shaped structures	
– Eac	ch layer is called a	·		
	• This structure	and absorbs		
		, the green pigment is found w	ithin the	
		a and b are most in green plants	and most	
openings in	n the lower	bsorb called	_	

General Equation for Photosynthesis

 Major Steps in Photosynthesis 				
• Reaction				
enters the cell	enters the cell and is taken up by the			
• This raises the level of the	and detaches them from			
- This is the	hen used to synthesize			
This process is called				
–e	energy has been converted into energy			
• Reaction				
The newly createdform	energy () is used to(sugars)			
• occurs in	_			
• occurs in,	, and			
• occurs on by	·			
Things to remember				
ž ,	is used to build compound hile splitting water into hydrogen and oxygen			
	ped with conductive tissues through which			
	cosynthetic cells (), or through the moved to other parts of the plant (
) of the total available energy received from			