Naminski Period	Naminaki
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Photosynthesis Quiz A

1) Fill in the blanks below to make a complete balanced equation for photosynthesis. Include all numbers of molecules where applicable.		
	What color of light is not absorbed, that is, it is reflected out of a plant by green chlorophyll?	
3	What term means the stacks of green disks found in the chloroplast?	
4	The energy that chlorophyll has obtained from sunlight is carried from the light reactions to the dark reactions by what 2 energy carrier molecules?	
5		
6	What is the name of the orange-colored plant pigment?	
7	What two main colors of light are absorbed and used by the chlorophylls?	
8		
9	What is the name of the experimental process that separates mixtures of substances on a strip of paper so that they can be identified?	
10	What are the two products of photosynthesis (See #1 above)?	
11	Plant pigments such as chlorophyll are able to absorb and store what kind of energy?	
12	In what plant organelle does photosynthesis occur?	
13	Which of the 2 main sets of reactions that occur during photosynthesis can	
14	occur either in light or when it is dark? Which of the 2 main sets of photosynthetic reactions can only occur in the presence of light?	
15	In what part of the chloroplast do the light independent reactions take place?	
16	In what part of the chloroplast do the light dependent reactions take place?	
17	If an object is purple, what color s) does it reflect?	
18	If an object is red, what color(s) does it absorb?	
19	The energy carriers ATP and NADPH2 give the energy they received from light to make what organic molecule during the dark reactions?	
20	What term means groups of plant pigments surrounding a central chlorophyll molecule on the surface of a thylakoids?	

21	_What is the name of the yellow plant pigment?
22	_What is the name of the short-term energy storage molecules that all cells use?
23	_What term means "splitting of water", the first step of the light dependent reactions of photosynthesis?
24	_Which plant pigment is the main photosynthetic pigment?
25	_What term means any plant pigment (like carotene) that is a helper pigment?
26	_What term means one individual disk within the grana?
27	_Name the enzyme that synthesizes ATP on the surface of the thylakoid during the light dependent reactions.
28	_What gas is released into the air during the light dependent reactions of photosynthesis?