Date:

Photosynthesis

Directions: Choose two activities from the menu below. The activities must total 100 points. Place a checkmark next to each box to show which activities you will complete. All activities must be completed by ______.

20 Points

- ☐ Make a poster that shows how photosynthesis takes place in an organism.
- Create a set of trading cards for all of the key players in the photosynthesis process.

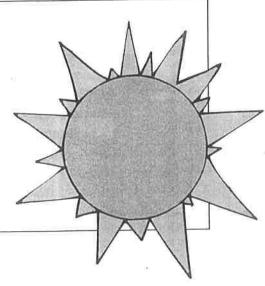
50 Points

- Using PowerPoint, create a presentation that traces the energy conversions in photosynthesis that take place, from the sun's energy to growth in a plant.
- ☐ Create a <u>commercial</u> about humans' impact on the process of photosynthesis.
- ☐ Green, leafy plants are not the only organisms that use photosynthesis to create food. Create a scrapbook for the different types of organisms that use photosynthesis and what structures conduct the photosynthesis

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80 Points

- Description with the sist of t
- ☐ Create an experiment that demonstrates how each component is necessary for photosynthesis to take place.



All-Purpose Product Rubric

Name:

	5 pts.	3013.	Opts.	14
Criteria	Excellent (Full Credit)	Good (Half Credit)	Poor (No Credit)	Self
Content: Is the content of the product well chosen?	Content chosen represents the best choice for the product. Graphics are well chosen and related to content.	Information or graphics are related to content, but are not the best choice for the product.	Information or graphics presented do not appear to be related to topic or task.	
Completeness: Is everything included in the product?	All information needed is included. Product meets the product criteria and the criteria of the task as stated.	Some important information is missing. Product meets the product criteria and the criteria of the task as stated.	Most important information is missing. The product does not meet the task or does not meet the product criteria.	
Creativity: Is the product original?	Presentation of information is from a new perspective. Graphics are original. Product includes an element of fun and interest.	Presentation of information is from a new perspective. Graphics are not original. Product has elements of fun and interest.	There is no evidence of new thoughts or perspectives in the product.	
Correctness: Is all of the information included correct?	All information presented in the product is correct and accurate.	N/A	Any portion of the information presented in the product is incorrect.	
Communication: Is the infor- mation in the product well communicated?	All information is neat and easy to read. Product is in appropriate format and shows significant effort. Oral presentations are easy to understand and presented with fluency.	Most of the product is neat and easy to read. Product is in appropriate format and shows significant effort. Oral presentations are easy to understand, with some fluency.	The product is not neat and easy to read or the product is not in the appropriate format. It does not show significant effort. Oral presentation was not fluent or easy to understand.	
			Total Grade:	54

Figure 4.1. All-purpose product rubric.

Figure 3.2. Product guidelines.

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Front—colored pictures, words optional Front inside—personal note related to topic Back inside—greeting or saying; must meet product criteria Back outside—logo, publisher, and price for card	Greeting Card	Folded Quiz Book At least 8.5" by 11" folded in half At least 10 questions Created with the correct number of flaps cut into the top Questions written or typed neatly on upper flaps Answers written or typed neatly inside each flap Color is optional Name written on the back	Drawing Must be at least 8.5" by 11" Must show what is requested in the task statement Must include color Must be neatly drawn by hand Must have citle Name should be written on the back		At least 20 significant words or phrases should be included Develop appropriate clues Include puzzle and answer key Can be created on the computer
No larger than 5" by 8" Created on heavy paper or card Neatly written or typed Uses color drawings Provides instructions stated in the task	Instruction Card	Game At least four thematic game pieces At least 25 colored/thematic squares At least 20 question/activity cards Include a thematic title on the board Include a complete set of rules for playing the game At least the size of an open file folder	Essay Neatly written or typed Must cover the specific topic in detail Must be at least three paragraphs Must include resources or bibliography if appropriate		Neatly written or typed Should include the appropriate number of entries Should include a date if appropriate Should be written in first person
Must have at least eight questions relevant to the topic being studied Person chosen for interview must be an "expert" and qualified to provide answers based on product criteria. Questions and answers must be neatly written or typed	Interview	Game Show Needs an emcee or host Must have at least two contestants There must be at least one regular round and a bonus round Questions will be content specific Props can be used, but are not mandatory	At least 8,5" by 11" folded in half All information or opinions are supported by facts Created with the correct number of flaps cut into the top Color is optional Name must be written on the back	permanent ink Informational/title card attached to diorama S1 contract signed	At least 4" by 5" by 8" Must be self-standing All interior space must be covered with relevant pictures and information Name written on the back in

Figure 3.2. Product guidelines, continued.

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	Calculations must provided if needed to create the pie graph	Must include the percentages for each area of the graph	Must have a label for each area or be .	Must have a title	Can be created neatly by hand or	Pie Graph	will be "live" Must be either performed live or recorded on a VHS tape or DVD	Must address the who, what, where, when, why, and how of the topic Script of report turned in with	News Report	×1	 Hangs in a balanced way 	 At least three layers of hanging information 	Includes color and pictures	· At least 10 pieces of related	Mobile	Letter Neatly written or typed Uses proper letter format At least three paragraphs in length Must follow type of letter stated in the menu (e.g., friendly, persuasive, informational)
	costume Can include more than one person	recorded for future showing Should have props or some form of	May be presented to an audience or	script must be turned in before play	Must be between	* Play/Slift *	Must include picture with caption that supports article At least three paragraphs in length Neatly written or typed	 Must be informational in nature Must follow standard newspaper format 	Newspaper Article		written on model	Must include a title card Name should be permanently.	 Parts of model must be labeled Should be in scale when appropriate 	 At least 8" by 8" by 12" 	Model	Map At least 8,5" by 11" Accurate information is included includes at least 10 relevant locations Includes compass rose, legend, scale, and key
needed	pictures Name should be written on the back Bibliography should be included as	 Must have title Must contain both words and 	 Includes at least five pieces of important information 	poster board	Should be the size of a standard	* Poster *	a concluding sentence Must use appropriate vocabulary and follow grammar rules	Neatly written or typed Must have topic sentence, at least 3 supporting sentences or details and	Paragraph	m a permanent way	words are optional, but a title should be included Name should be written on the back	Must have colored pictures	· Must contain at least five pieces of	• At least 22" x 54"	Mural	Mind Map At least 8.5" by 11" Uses unlined paper Must have one central idea Follows the "no more than four words coming from any one word Should be nearly written or developed using Inspiration

Figure 3.2. Product guidelines, continued.

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PowerPoint-Speaker	PowerPoint-Stand Alone	Product Cube
ig ne	At least 10 informational slides and one title slide with student's name. No more than 10 words per page. Slides must have color and no more than one graphic per page. Animation is optional, and must not distract from information being presented.	All six sides of the cube these before the state with information Should be treatly written or typed Name must be printed neatly on the bottom of one of the sides Should be submitted flat for grading
presented Presentation should be timed and Presentation should be timed and		Quiz
Puppet	Questionnaire	
Pupper should be handmade and must have a moveable mouth A list of supplies used to make the pupper will be turned in with the pupper supper s	Neatly written or typed At least 10 questions with possible answers, and at least one answer that requires a written response Questions must be helpful to gathering information on the topic being studied At least 15 people must provide answers to questionmaire	Must be at least hall sheet of paper Neathy written or typed Must cover the specific topic in detail Must include at least five questions including a short answer question Must have at least one graphic An answer key will be turned in with the quiz
Oniz Board	Recipe/Recipe Card	* Scrapbook *
Quz Board At least five questions Must have at least five answers Should use a system with lights to facilitate self-checking Should be no larger than a poster board This wild with a poster on he used	Must be written neatly or typed on a piece of piaper or an index card. Must have a list of ingredients with measurement for each. Must have numbered steps that explain how to make the recipe	Cover meani . Nust I . Each pmeani . All ph
Holiday lights can be used		Char
Song/Rap	Speech	3104
e pres	 Must be at least 2 minutes in length Should not be read from written 	
haped Written words will be turned in before performance or with taped song Should be at least 2 minutes in		and resolution! Must be appropriate length to allow for story elements Should be neatly written or typed
length		

Figure 3.2 Product guidelines, continued

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Figure 3.2. Product guidelines, continued.

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