

Name _____ Date _____ Hour _____



BIOLOGY OF PLANTS:

Please go to the website <http://www.mbgnet/bioplants/>

Please navigate through this website to answer the following questions.

1. What five things do all living things do?
 - 1)
 - 2)
 - 3)
 - 4)
 - 5)
2. What does germinate mean?
3. What is a nutrient?
4. What do seeds need to start to grow?
5. When does the germination stage end?
6. What do plants need to continue to grow?
7. What do each of the following plant parts do?

Roots:

Stems:

Leaves:

Flowers:

Fruit:

Seeds:

8. Please define the following terms:

Herbaceous:

Woody:

Photosynthesis:

Pollination:

9. What is the difference between a fruit and a vegetable?

10. Explain how foods come both directly and indirectly from plants-

11. What do plants need to make food?

1)

2)

3)

4)

5)

6) leaves

12. What is chlorophyll?

13. What does the word "pollination" mean?

14. How do plants get pollinated?

15. What about plants that don't have flowers? How are they pollinated?

16. What does the word "dispersal" mean?

17. What are 4 ways that seeds are dispersed?

1)

2)

3)

4)

18. What are adaptations?

19. What does biome mean?

20. Choose 4 of the 8 biomes listed. Write a brief description of the biome and list at least 3 adaptations plants have made to survive there.

Description:

Plant adaptations:

Description:

Plant adaptations:

Description:

Plant adaptations:

21. Explain 3 ways that plants help the environment -

1)

2)

3)

This website contains some activities in the margin. Please feel free to explore them!



Choice Board Activity

/Theme: Plants = Chapter 9 (10+11)

<p>#1 Cartoon/Comic Strip</p> <ul style="list-style-type: none"> • At least 8.5" by 11" • At least six cells • Must have meaningful dialogue • Must include color 	<p>#2 PowerPoint—Stand Alone</p> <ul style="list-style-type: none"> • 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 	<p>#3 Poster</p> <ul style="list-style-type: none"> • Should be the size of a standard poster board • Includes at least five pieces of important information • Must have title • Must contain both words and pictures • Name should be written on the back • Bibliography should be included as needed
<p>#4 Acrostic</p> <ul style="list-style-type: none"> • At least 8.5" by 11" • Neatly written or typed • Target word will be written down the left side of the paper • Each descriptive phrase chosen must begin with one of the letters from the target word • Each descriptive phrase chosen must be related to the target word <p><i>"Photosynthesis"</i></p>	<p>#5</p> <p>STUDENT CHOICE</p>	<p>#6 Product Cube</p> <ul style="list-style-type: none"> • All six sides of the cube must be filled with information • Should be neatly written or typed • Name must be printed neatly on the bottom of one of the sides • Should be submitted flat for grading
<p>#7 Song/Rap</p> <ul style="list-style-type: none"> • Words must make sense • Can be presented to an audience or taped • Written words will be turned in before performance or with taped song • Should be at least 2 minutes in length 	<p>#8 Worksheet</p> <ul style="list-style-type: none"> • Must be 8.5" by 11" • Neatly written or typed • Must cover the specific topic or question in detail • Must be creative in design • Must have at least one graphic • An answer key will be turned in with the worksheet 	<p>#9 Brochure/Pamphlet</p> <ul style="list-style-type: none"> • At least 8.5" by 11" • Must be in three-fold format; front fold has the title and picture • Must have both pictures and written text • Information should be in paragraph form with at least five facts included • Bibliography should be provided as needed • Can be created on computer • Any pictures from Internet must have proper credit

- Must be at least half sheet of paper
- Neatly 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

- At least 8" by 8" by 12"
- Parts of model must be labeled
- Should be in scale when appropriate
- Must include a title card
- Name should be permanently written on model

- At least 10 pieces of related information
- Includes color and pictures
- At least three layers of hanging information
- Hangs in a balanced way

Student Choice

Concentration Cards

- At least 20 index cards (10 matching sets) must be made
- Both pictures and words can be used
- Information should be placed on just one side of each card
- Include an answer key that shows the matches
- All cards must be submitted in a carrying bag

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

Crossword Puzzle

- At least 20 significant words or phrases should be included
- Develop appropriate clues
- Include puzzle and answer key
- Can be created on the computer

Directions: Choose activities in a tic-tac-toe design. When you have completed the activities in a row—horizontally, vertically, or diagonally—you may decide to be finished. Or you may decide to keep going and complete more activities.

I choose activities # _____, # _____, # _____, # _____

Do you have ideas for alternate activities you'd like to do instead? Talk them over with your teacher.

I prefer to do the following alternate activities: _____

Name: _____

Date Received: _____ Date Due: _____

Date Completed: _____

All-Purpose Product Rubric

Name: _____

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 information 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:				

Figure 4.1. All-purpose product rubric.

