

Name _____ Date _____ Hour _____

Partner name _____

Periodic Table Project: Chapters 16 + 17

Create a short 5-7 slide PowerPoint explaining your essential question(s). You will have 2 full class periods to work in the computer lab to complete the project. The final draft is due, Friday December 1st. Each group will present their information to the class as a whole.

Project Requirements

- Minimum of 5 slides, not including title and resource slide. (you may have more)
- At least 5 pictures to accompany your information
- A response to your selected essential questions written in your own words.
- Short presentation to the class about your topic

Project Rubric

	Excellent (10pts)	Average (7-9 pts)	Below Average (0-6pts)
Information	All Essential Questions are all answered within the PowerPoint. Information is accurate and worded in student friendly language.	Essential questions are answered, explanations are not in student friendly language.	1 or more essential questions are missing; information is incorrect or missing. Information is copied directly from a website.
References	Reference slide at the end of the power point contains as least 3 different websites.	Reference slide at the end of the power point is missing 1 website.	Reference slide at the end of the PowerPoint is missing 2 or more websites.
Slide Number	PowerPoint has more than the required number of slides for the presentation. Additional slides are relevant to the topic.	PowerPoint has the minimum number of slides. (5-7)—You may not count your title slide.	Power Point does not meet the minimum requirement for slide number.
Pictures/Graphics	Pictures or graphics are all appropriate and enhance the presentation information.	Pictures or graphics are present within the presentation.	Pictures or Graphics are missing or are not relevant to information provided
Grammar and/or Spelling	No mistakes with capitalization, grammar, spelling, etc.	2-3 mistakes with capitalization, grammar, spelling, etc	More than 3 mistakes with capitalization, grammar, spelling, etc
	Total Number of Points		

1. Who was Mendeleev? Why is he important to chemistry? Who was Mosely? Why was he important to chemistry? (see pgs 498-499 of your book to start)
2. What are groups? What are periods? Why are elements in a group together? What characteristics to elements in the same period share? In what groups can we find the "main group elements"? In what groups can we find the "transition elements"? (see pgs 502-504 in your book to start)
3. What are metals? Where are they located on the PT? What are some characteristics that all metals share? (see pages 518 and 519 in your book to start)
4. What are the alkali metals? Where are they found on the PT? What are their symbols and names? What characterizes do these elements share? How many valence electrons do they all have? (see pg 520 in your book to start)
5. What are the alkaline earth metals? Where are they found on the PT? What are their symbols and names? What characteristics do these elements share? How many valence electrons do they all have? (see pg 521 in your book to start)
6. What are transition elements? Where are they located on the PT? Give some examples of transition metals and their uses. (See pgs 522-523 in your book to start)
7. What are the lanthanides? Where are they located on the PT? Which elements belong to this section? What are some characteristics of the lanthanides? (see pg 524 in your book to start)
8. What are the actinides? Where are they located on the PT? Which elements belong to this section? What are some characteristics of the actinides? (see pg 524 in your book to start)
9. What are nonmetals? Where are they located on the PT? What are some characteristics that nonmetals share? (see pgs 526-527 of your book to start)
10. What are the halogens? Where are they found on the PT? What are their symbols and names? What characteristics do these elements share? How many valence electrons do they all have? (see pgs 528-529 of your book to start)
11. What are the noble gases? Where are they found on the PT? What are their symbols and names? What characteristics do these elements share? How many valence electrons do they have? (see pg 530 of your book to start)
12. What are metalloids? Where are they located on the PT? Which elements belong to this section? What other names can we use to describe this section? What are some characteristics of metalloids? (see pg532 of your text book to start)
13. What are synthetic elements? How many elements on the PT are synthetic? What are the transuranium elements? Why do scientists study synthetic elements? (see pgs 538-539 of your text to start)