

**Unit 4 Periodic Trend
Student Group Criteria**

Name _____
Block ____

Part 1: Research

- Each group will be given a specific periodic trend to research.
- Each group member will work with peers to complete the Periodic Trends Research Worksheet.
- Each group member will submit his or her own copy of this worksheet for a classwork grade.
- WARNING: Each member of the group must show evidence for their work on the project. No work - no credit.

Part 2: Presentation

- Students will create Google Slide presentations for given periodic trend.
- Students will share link to Google Slide presentation with teacher (including editing rights).
- Each slide must include a **title, facts about the trend** related to the research worksheet, and **images** to help the class visualize the facts. (Use **Claim, Evidence, Reasoning** method.)
- Students are encouraged to change the **background color and design** of the presentation in order to make the slides more attractive.

Part 3: Kahoot

- Each group must create a Kahoot quiz with at least **10 questions** related to their periodic trend.
- Questions should include:
 1. **identifying the trend** compared to other trends,
 2. **defining what happens** when the trend moves **left to right** on the periodic table
 3. **defining what happens** when the trend moves **up and down** on the periodic table
 4. **comparing behavior of different elements** from **same period**
 5. **comparing behavior of different elements** from **same group**
 6. **comparing behavior of metals vs nonmetals**
 7. **identifying the element (and/or group)** with the **greatest trend value**
 8. **identifying the element (and/or group)** with the **least trend value**
 9. **explain what properties cause** the trend to happen
 10. Choose your own question related to the trend.
- Each group is responsible for sharing their Kahoot quiz with the teacher.
- Use this share code: _____

My group is presenting the following trend: _____

My presentation and Kahoot are due on: _____