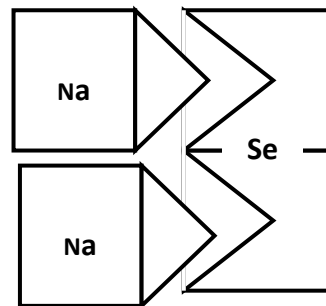


## Periodic Table and Chemical Formulas

### Activity: Compound Puzzles



In your group, put together the pieces of the puzzle to form compounds. Write your notes or draw your diagrams in the space below:

#### Questions:

1. What do the peaks of the puzzle pieces represent?
2. What do the valleys of the puzzle pieces represent?
3. What is the relation between the number of valence electrons and the charge of the ion?
4. Which elements are likely to give away electrons? Which elements are likely to accept electrons?
5. How is the Octet rule applied to predict formulas for compounds?