How to Construct the Game Board:

This game is best played in cooperative groups of three to four students; however, up to nine students can play on one board at once.

The board for the game appears as four separate printable pieces. You may want to enlarge each section of the board by the same percentage on an 11” x 17” sheet of paper before connecting the pieces to form the complete board. Once you have printed and/or enlarged each section, lay the sections out on a table or desktop to see where the sections should join. You may need to use a straightedge to mark where to cut the excess off some sections so that the picture joins smoothly. Then tape the pieces together. If the outside edge of the board is jagged, use the straightedge to mark the excess that needs to be cut off. Make enough boards for each group. The boards are best used when they are laminated to a piece of cardboard or construction paper.

The full color game board may be displayed on the classroom whiteboard or projection device for the whole class to follow along as the game is played.

How to Play the Game:

1. Each player in the group selects one token and receives ten Mendeleyev coins.
2. Each player places his or her token on the start (hydrogen) space on the element game board.
3. Everybody rolls the dice to see who goes first. The highest number goes first. Turns proceed to the right of the person who starts.
4. Roll the dice. Move that many spaces and do what it says on each element on the board.
5. **Free spaces**: If you land on a free space, your turn is over. You don’t have to do anything.
6. **Card spaces**: If you land on a card space, have another person in the group draw a card from that category (property, history, family, or use). That person will read the question to you. You must answer the question in ten seconds. If you answer the question correctly, you will receive one Mendeleyev coin. If you answer incorrectly, you must pay one Mendeleyev coin. If you fail to answer the question in the ten seconds, you must pay two Mendeleyev coins.
7. **Roll again spaces**: You must roll the dice again.
8. **Go back spaces**: You must go back the number of spaces indicated on the board.
9. **Advance spaces**: You must advance your token to the element indicated on the board.
10. **Ending the Game**:
    A. The first person to complete the board by reaching element 118 exactly becomes the reader and will read all further questions. The first person to finish will also receive three Mendeleyev coins.
    B. If you do not land on element 118 exactly, you must go back to your last space and remain in the game until you land on element 118.
    C. As each person finishes, he or she may help with reading the questions.
    D. The second player to finish will receive two Mendeleyev coins. Each person who finishes after the second finisher will receive one Mendeleyev coin when they land on element 118.
11. **Winning the game**: When all players have finished the board, the person with the most Mendeleyev coins wins.
The Element Game