

Title: Periodic Table - RATS Game

Outcome 5 - Atomic Structure and the Periodic Table

Outcome Learning Goal:

5.4 - I can investigate and relate the physical and chemical properties of elements to their position on the periodic table

Description of Activity:

This game can be used for many different topics. In this case it is intended to help learn about the Periodic Table.

Part 1 - Questions

Consider having students work on the questions individually first. Then put them in groups (4 - 6 groups) and have them compare answers.

Part 2 - Play the Game

The game board has 24 squares. Hidden behind each square are different symbols:

+ x your team gains x points (14 of them)

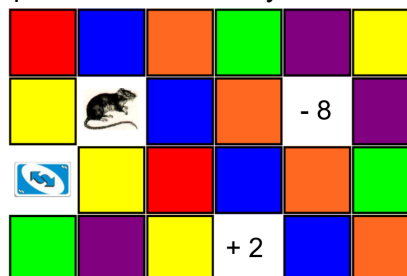
- x your team loses x points (6 of them)



RATS: lose all your points (2)



Switch points with another team! (2)



On each turn, a team can pick any one of the 24 questions that they would like to answer (keep track of questions that have been answered). If they answer correctly, that team can either Play (by picking a square) or Pass (by forcing another team to pick a square). Keep track of each teams score throughout the game.

Suggested Length of Activity: 1 class period

Supplies:

[Question Sheet](#) - answers on Page 2

[Game File - Smart Notebook File](#) - includes instructions + game board

Assessment: None