

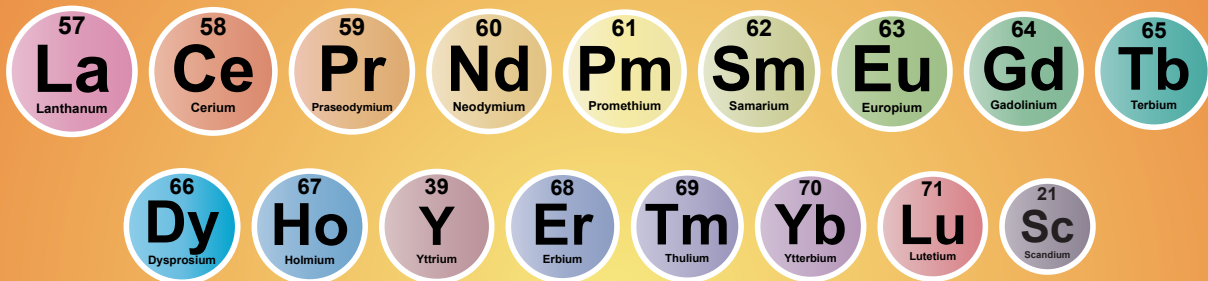
Rare Earth Elements

RuleBook

By. Zachary Thammavongsy, Ph.D.

Background

The Rare Earth (RE) elements are essential to our everyday lives. There are 17 elements that make up the RE group. The RE elements are in cell phones, tv screens, medical devices, computers, cars, and much more. This card game will introduce players to the names and symbols of the RE elements. Most importantly, this card game will illustrate where the RE elements are in our daily lives.



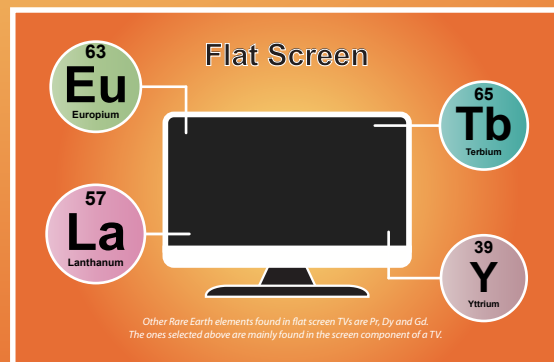
Game Objective

Be the first player to find all the Rare Earth (RE) elements on your Item Card.

Components

**Rare Earth
Elements**

33 RE Cards



8 Item Cards

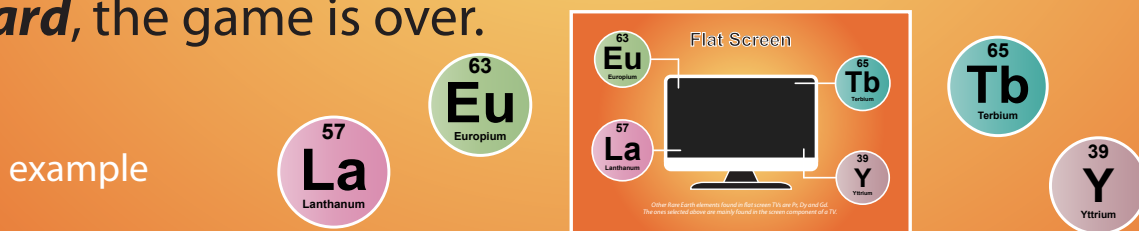
Set Up

1. Gather all players in a circle (4 players max).
2. Pass out one **Item Card** to each player.
3. Lay down all 33 **RE Cards** faced down (3 x 11).



Game Play

1. The youngest player goes first.
2. A player picks an **RE Card** to flip over.
3. If the **RE Card** matches the RE on their **Item Card**, that player keeps the **RE Card** and goes again.
4. If the **RE Card** does not match the RE on their **Item Card**, the player to the immediate right gets to go next.
5. Once a player finds the four **RE Cards** on their **Item Card**, the game is over.



Additional Rules to Consider

6. A player cannot keep an **RE Card** if they already possess the same **RE Card** in hand. The player must place the **RE Card** back and go again.
7. If a player flips over the **RE Card**, Promethium (Pm), that player keeps the **RE Card** and goes again.



Winner

The first player to find all four Rare Earth elements on their Item Card wins the game!

Credit

Game Designer: Zachary Thammavongsy, Ph.D.

Special thanks to
Professor William J. Evans
for his input on the game.

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