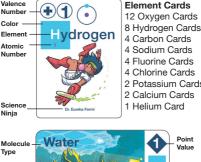
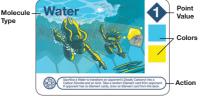


### **Deck Contents**



### Flement Cards

- 4 Carbon Cards
- 4 Sodium Cards
- 4 Fluorine Cards
- 4 Chlorine Cards
- 2 Potassium Cards 2 Calcium Cards
- 1 Helium Card



#### Molecule Cards

- 9 Salt Cards 9 Water Cards
- 5 Metal Oxide Cards
- 5 Acid Cards

- 5 Base Cards
- 5 Carbon Dioxide Cards
- 4 Deadly Carbonyl Cards
- 3 Halocarbon Cards

# **Getting Started**



Molecule Bank

OPTIONAL: start game with one card already in discard pile

- Arrange the molecule cards in the center of your playing surface to form the Molecule Bank.
- Deal each player 6 Element cards. Make sure the Deck is well-shuffled!
- 3. The player with the card with the highest atomic number (that's the purple number in the bottom of the color box) goes first and the player to their left goes second (clockwise). Calcium is the highest card - whoever has it usually goes first! If there's a tie, the next highest atomic number is used to determine who goes first.

# **Drawing Cards**

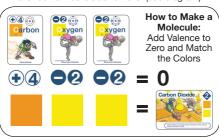
- 4. To start your turn, draw either the top card from the Element Deck or the top card (facing up) from the discard pile.
- If you have zero Element Cards at the beginning of your turn, draw 3 Element cards instead of 1! (none from the discard pile).
- If you have 6 cards with only positive or only negative Valence numbers, you may exchange them for 6 new cards at the beginning of your turn instead of drawing (see diagram)



If the draw pile is empty, reshuffle the discard pile and use that as the new draw pile.

## **Making Molecules**

- You can only make Molecules during your turn. You can make as many Molecules as you choose.
- During your turn, make Molecule cards by finding combinations of your Element cards whose Valence numbers add to zero. (see diagram)



- 10. Take the Molecule from the Molecule Bank that matches the the colors of the element cards (see diagram). You can check that you made the correct Molecule (or learn about the Molecule) by looking at the back of the Molecule card.
- Place the Molecule in front of you face up on your playing surface so all opponents can see.
- Place the Element cards that formed the molecule in the discard pile in any order.

## **Molecule Cards**

 Most Molecules have special properties listed at the bottom of each card.



## **Attack Cards**

- Sacrifice Acid (return to the Molecule Bank) to transform an opponent's Metal Oxide or Base into Water and Salt. Take a random Element card from opponent. If opponent has no cards, draw a card from the deck.
- Sacrifice Water (return to the Molecule Bank) to transform an opponent's Deadly Carbonyl into Acid and Carbon Dioxide. Take a random card Element from opponent. If opponent has no cards, draw a card from the deck.



# Vulnerable Cards

- Metal Oxide and Base cards are vulnerable to attack from Acid. If attacked, exchange for a Salt and a Water. Opponent takes an Element card at random.
- Deadly Carbonyl cards are vulnerable to attack from Water. If attacked, exchange for an Acid and a Carbon Dioxide card. Opponent takes an Element card at random.



- Once per turn, you may sacrifice a Salt card (return to the Molecule Bank) to draw two element Element cards from the deck.
- When you make a Halocarbon, all Water Molecules are returned to the Molecule Bank.
- Helium is an Element card that functions as a Molecule card. "Make" Helium by placing it in front of you like a molecule. All players pass all Element cards in hand to the player to their left.

# Finishing your Turn

14. Tell the other players you are done with your turn. If you have 7 or more Element cards in hand, discard until you have only 6 cards.

## Out of Molecules

15. If there aren't molecules of a certain type in the Molcule Bank, players cannot form that molecule.

# Winning the Game

16. Each Molecule is worth a different point value, noted in the diamond in the corner. The first player to 10 points wins the game!

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# Tips and Strategies

- Try to get rid of all your cards then you can draw 3 on your next turn! More cards = more molecules!
- You can put Element cards in the discard pile in any order you choose. If you have Bases, don't put anything that could make Acids on top!
- You don't have to make molecules every turn. Save cards for a surprise Acid attack, or a late burst of points. Just make sure you make your molecules before the Helium card arrives...
- If a player has at least 6 points, watch out they might win on their next turn! Attack them with everything you've got!

### Watch our how-to-play video at www.scienceninjas.com

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