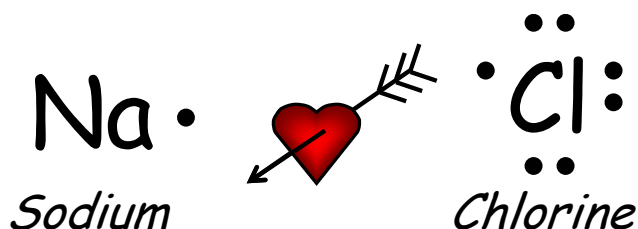


Name: \_\_\_\_\_ Section: \_\_\_\_\_

# "A Match Made in Heaven"

## An Elemental Love Story



Saturday night in the town of Element means partying at the Periodic Table, the best night club in town. Every week, all the single metals and non-metals meet up and try to find that perfect mate. Tonight Miss Sodium is out with her sisters, Miss Potassium, and Miss Lithium. "I really want to find that perfect non-metal guy. I'm so tired of being alone," said Miss Sodium. "We know what you mean. Hey - why don't you go talk to that non-metal over there? He's pretty cute," said Miss Potassium. Miss Sodium worked up enough courage to go over to a non-metal standing by himself in the corner of the room. "Hi there," she said, "I'm Miss Sodium, and everyone calls me Na for short." "Hi," he said, in a not so friendly tone. "My name is Neon." Even though she wasn't feeling too good about Neon, Miss Sodium asked him to dance anyway. Neon looked at her in a very disinterested way and said, "No thanks, I prefer to be alone." Feeling very dejected, Miss Sodium turned around and asked herself, "What is wrong with me?" Miss Sodium was just about to start crying when a very attractive non-metal approached her with a big smile and asked her to dance. "Hi, I'm Chlorine, would you like to dance with me?" "Yes," Miss Sodium squeaked out. Chlorine took her hand, pulled her close, and they proceeded onto the dance floor. When they looked into each other's orbitals, they both realized they were meant to be together. When reminiscing about this night, Miss Sodium describes it as the moment when Chlorine "stole her electron." As time went on, their attraction grew and they have been a happy compound ever since that bonding experience at the Periodic Table.

Questions:

1. Considering her "class," list some of Miss. Sodium's characteristics.
2. Considering his "class," list some of Chlorine's characteristics.
3. Why do you think Neon preferred to be alone?
4. Why do you think Miss Sodium and Chlorine are a "match made in heaven?"