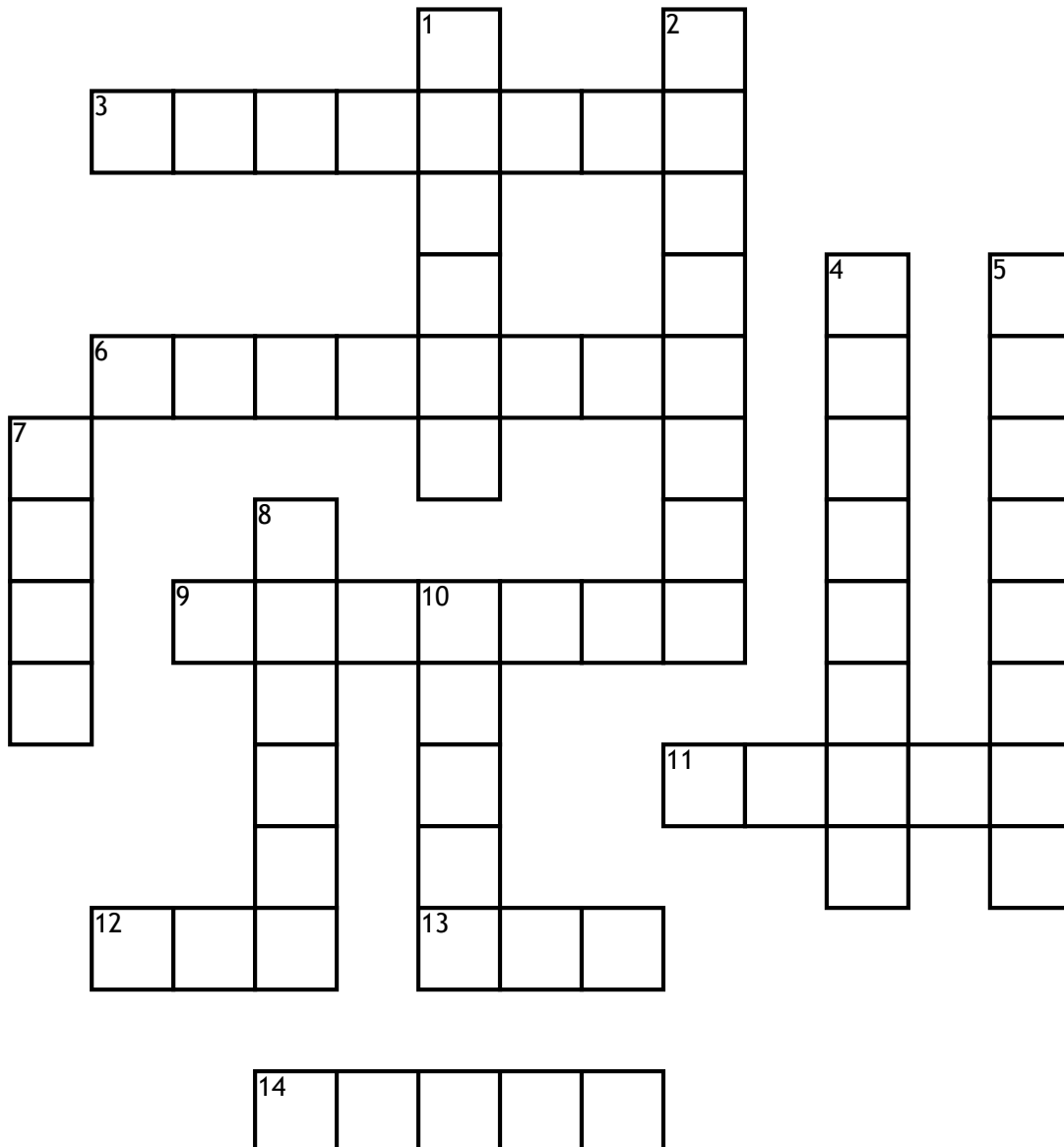


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chemical Bonding



## Across

3. When an atom loses an electron, it gains a \_\_\_\_\_ charge.

6. What type of chemical bonding involves sharing a pair of electrons?

9. What type of electrons are used to make bonds?

11. What do you call an atom with a negative charge?

12. What do you call an atom that has a charge (because it lost or gained an electron)?

13. The chemical compound H<sub>2</sub>O has how many types of elements present?

14. What type of chemical bonding involves one atom giving its electrons to another atom?

## Down

1. The outer valence of an atom needs to be full in order to be \_\_\_\_\_.

2. When an atom gains an electron, it gains a \_\_\_\_\_ charge.

4. What do you call an element made up of two identical atoms bonded together?

5. A \_\_\_\_\_ is a unique substance that forms when two or more elements combine chemically.

7. The element NH<sub>3</sub> has how many atoms present in it?

8. What do you call an atom with a positive charge?

10. The first electron shell holds two electrons. Every shell after that holds up to \_\_\_\_\_.