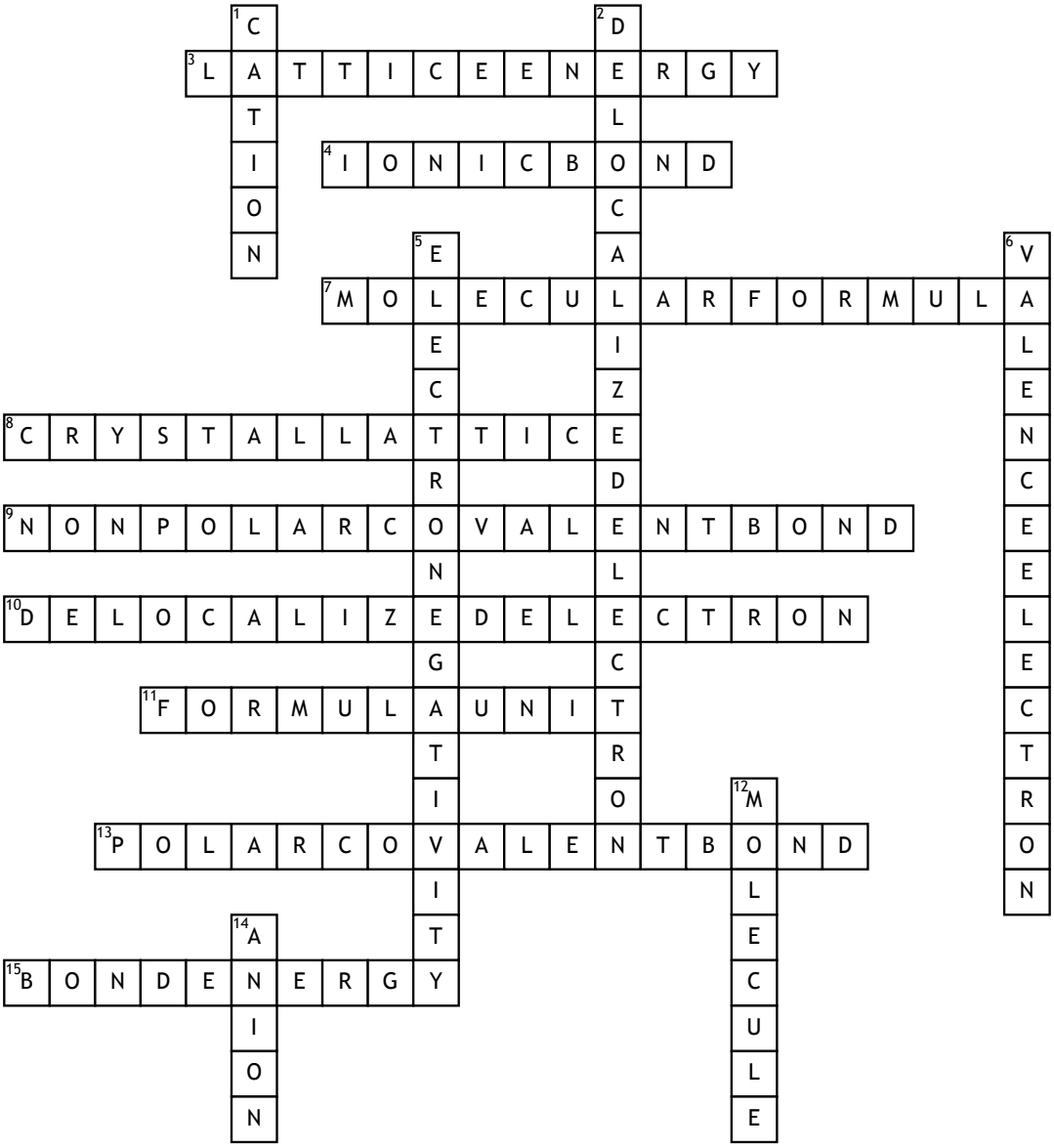
Name: _____ Date: _____ Period: _____

Chemical Bonds & Compounds



Across

3. The energy needed to break an ionic bond

4. Results from the electrical attraction of cations and anions

7. Gives the exact number of atoms in a covalent compound

8. 3D structure of an ionic compound

9. Results from the equal sharing of valence electron pairs

10. Found in metallic compounds

11. Gives the ratio of cations and anions in an ionic compound

13. Results from the unequal sharing of valence electron pairs

15. The energy needed to break a covalent bond

Down

1. A positive ion

2. Found in metallic compounds

5. An atom's ability to attract electrons within a compound

6. Electrons available to be lost, gained, or shared

12. Neutral group of covalently bonded atoms

14. A negative ion