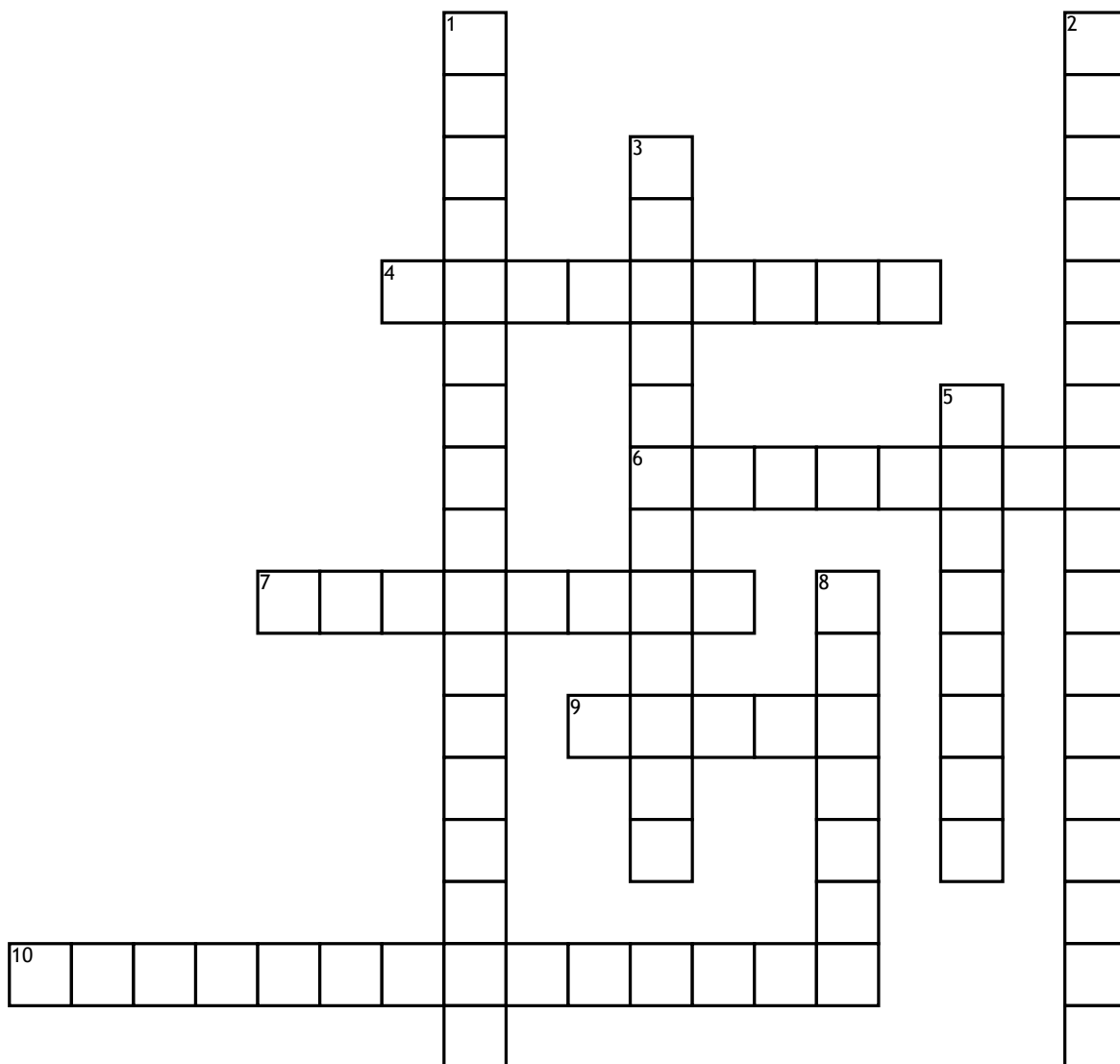


Name: _____

Date: _____

bonding



Across

4. Can be bent or hammered into thin sheets
6. Between 2 nonmetals, electrons are shared
7. Bonds allow atoms to obtain 8 valence electrons by losing, gaining, or sharing electrons
9. Between a cation and an anion electrons are transferred from a metal to a non metal
10. Combine to form a crystal lattice structure

Down

1. losing valence electrons causes the metal atoms to become positive cations
2. Atoms bond to form independent neutral particles called molecules, they can be small or large
3. An electrostatic attraction between atoms or ions that holds compounds together
5. Among atoms of a metal valence electrons form a sea around positive metal cations
8. Can be bent into a wire without breaking