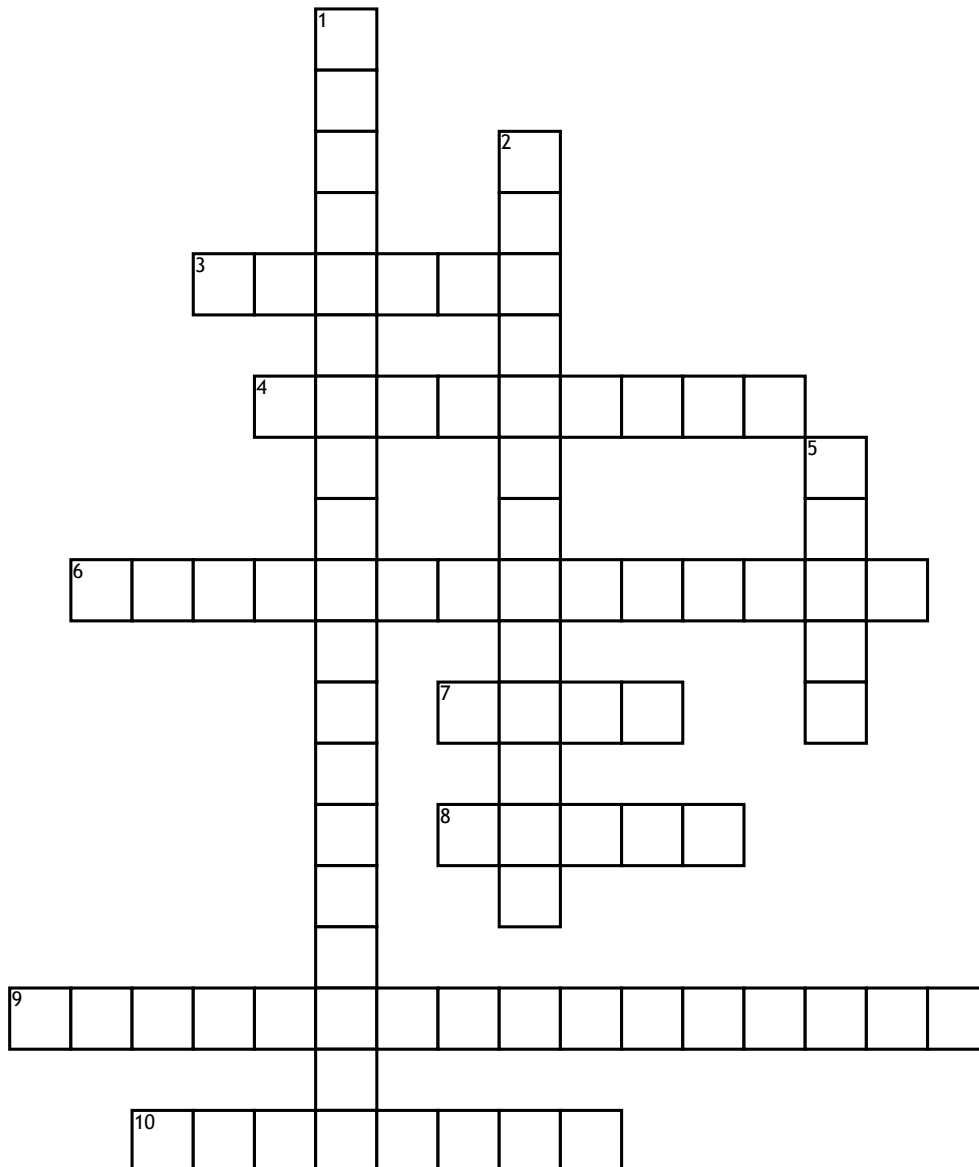


# Ionic bonding



## Across

3. A positively charged ion formed when a metal atom loses electrons
4. A strong electrostatic force of attraction between oppositely charged ions.
6. A group of atoms that have a positive or negative charge due to the loss or gain of electrons, e.g. nitrate NO<sub>3</sub><sup>-</sup>.
7. An atom or group of atoms with a charge due to the loss or gain of electrons.
8. A negatively charged ion formed by gaining electrons (usually a non-metal ion)
9. An arrangement of many particles that are bonded together in a fixed, regular, grid-like pattern.

10. . Solids that are made up of a regular, repeated pattern of atoms, molecules or ions which form fixed shapes with flat surfaces

## Down

1. The force of attraction between oppositely charged particles, and force of repulsion between particles with the same charge.
2. . A substance made up of ions of different elements
5. The force of attraction between atoms or ions holding them together