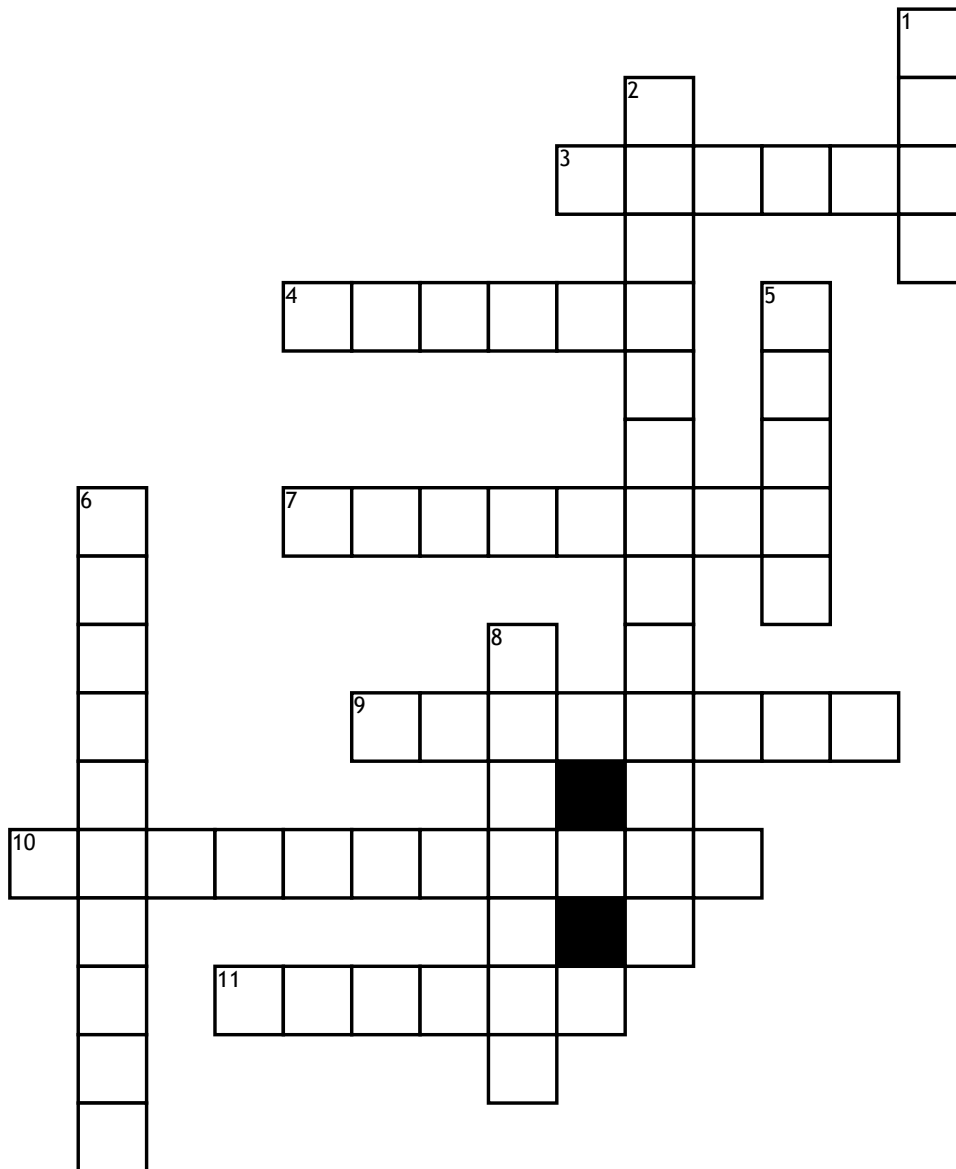


# Physics



## Across

3. The unit of measure for energy
4. The force acting on an object due to gravity. Measured in newtons
7. The time it takes for the number of radioactive nuclei sample to half
9. Negatively charged particle which orbits the nucleus
10. Change of state from a solid to a gas or a gas to a solid without the liquid phase
11. Positively charged particles found in the nucleus on an atom

## Down

1. The amount of matter in an object measured in kilograms
2. The unwanted presence of radioactive atoms either on or in an object
5. The rate at which energy is transferred
6. The number of protons and neutrons in the nucleus
8. Particles found in the nucleus with no charge