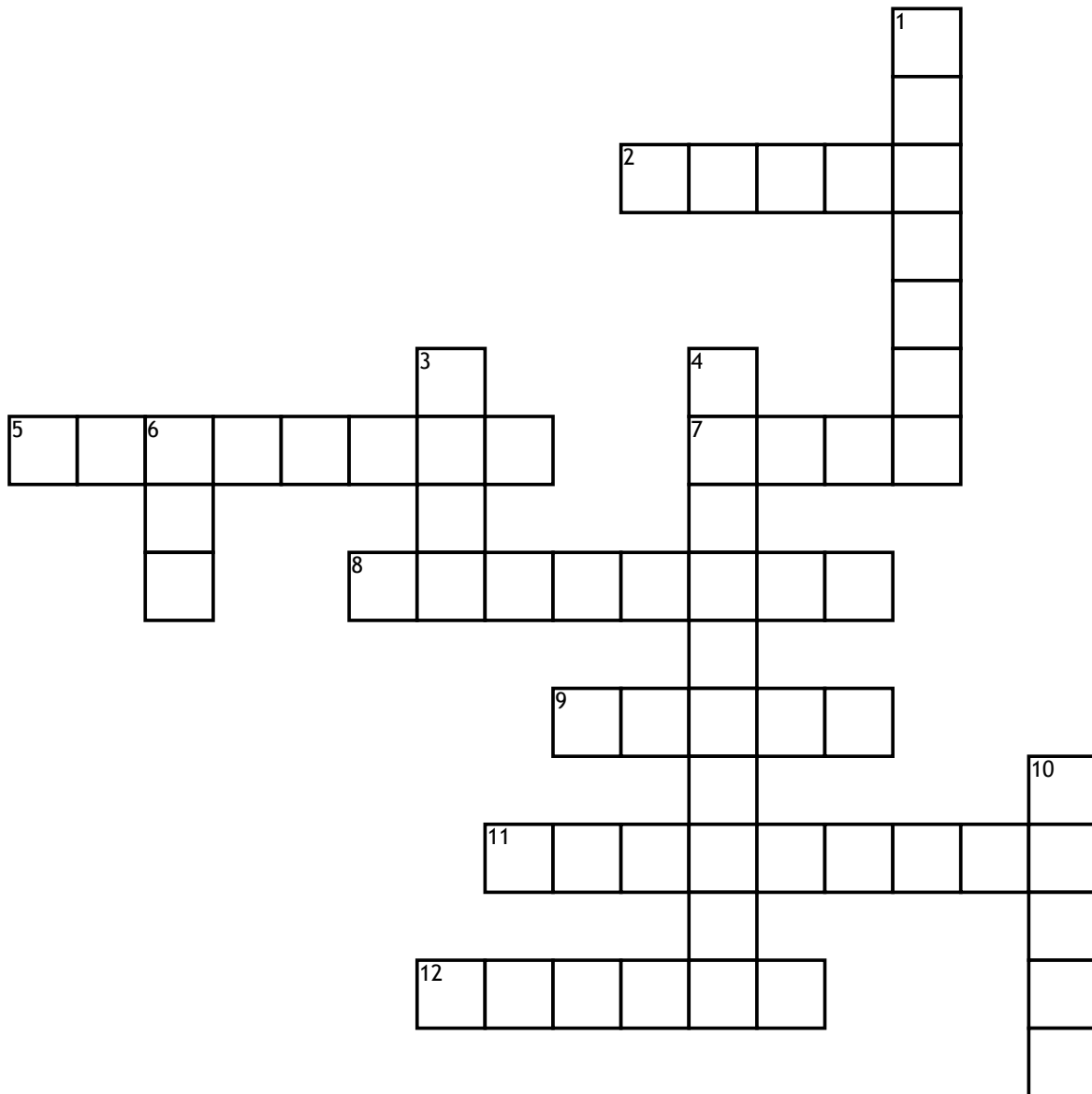


# Radioactivity & Radiation



**Across**

- 2. The type of radiation where high-energy electromagnetic waves are emitted
- 5. Elements that have differing numbers of neutrons are called...
- 7. The name of the basic unit of a chemical element
- 8. The term for the time taken for half of the radioactive sample decays

9. What is it called when atoms change due to instability?

- 11. The city where one of the worst nuclear accidents happened in 1986
- 12. The name of the instrument used for detecting and measuring ionizing radiation

**Down**

1. A metal that is commonly used for its radioactive properties

- 3. The type of radiation where an electron is emitted
- 4. The name of a famous scientist that discovered x-rays
- 6. Naturally occurring material where radioactive elements can be found
- 10. The type of radiation where a Helium nucleus is emitted