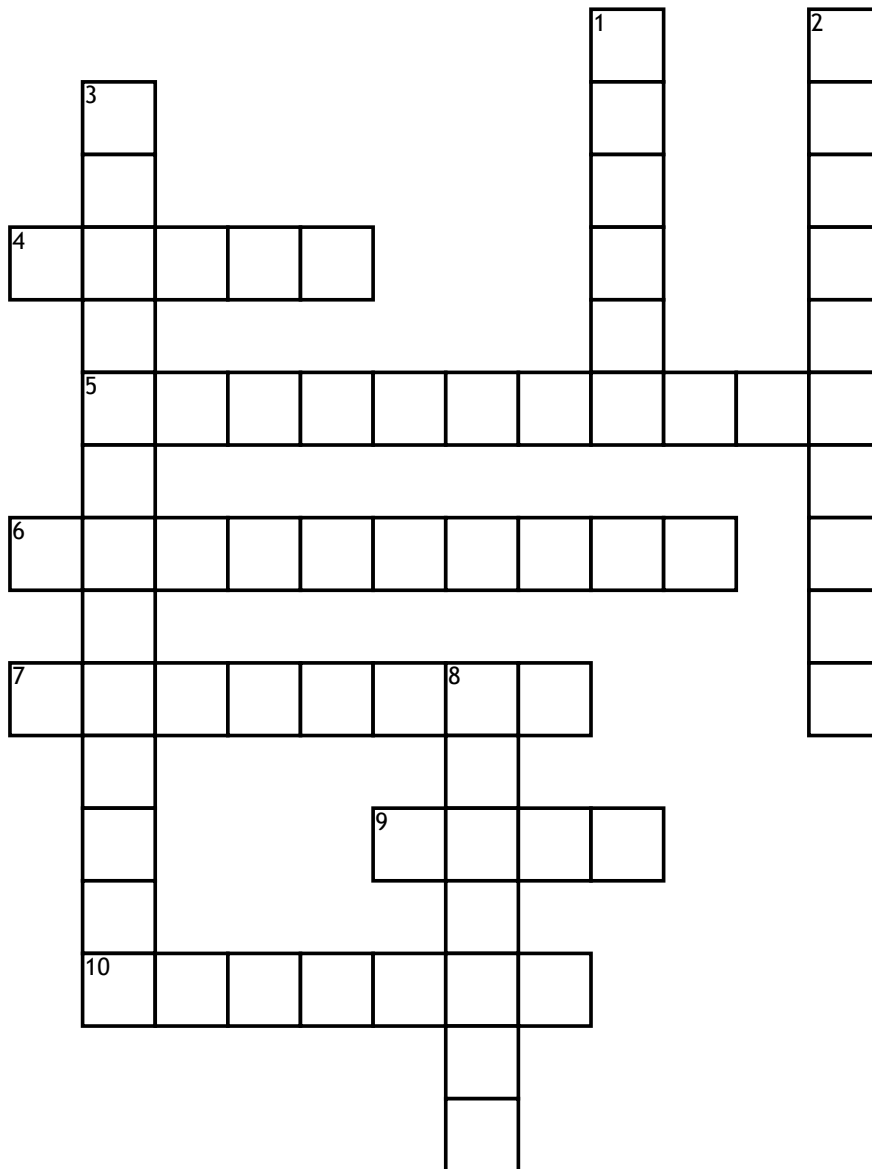


Atomic Theory Project



Across

4. What type of radiation is the most penetrating?
5. Austrian physicist who developed a number of results in the field of quantum theory
6. British physicist who became known as the father of nuclear physics
7. time required for 1/2 of the nuclei to decay to products
9. Danish physicist who made foundational contributions to understanding atomic structure and quantum theory

10. a subatomic particle of about the same mass as a proton but without an electric charge

Down

1. best known for his pioneering work in the development of modern atomic theory
2. Ancient Greek pre-Socratic philosopher remembered today for his formulation of an atomic theory of the universe
3. conversion of an atom to an atom of another element
8. forms of the same element that contain equal numbers of protons but different numbers of neutrons in their nuclei