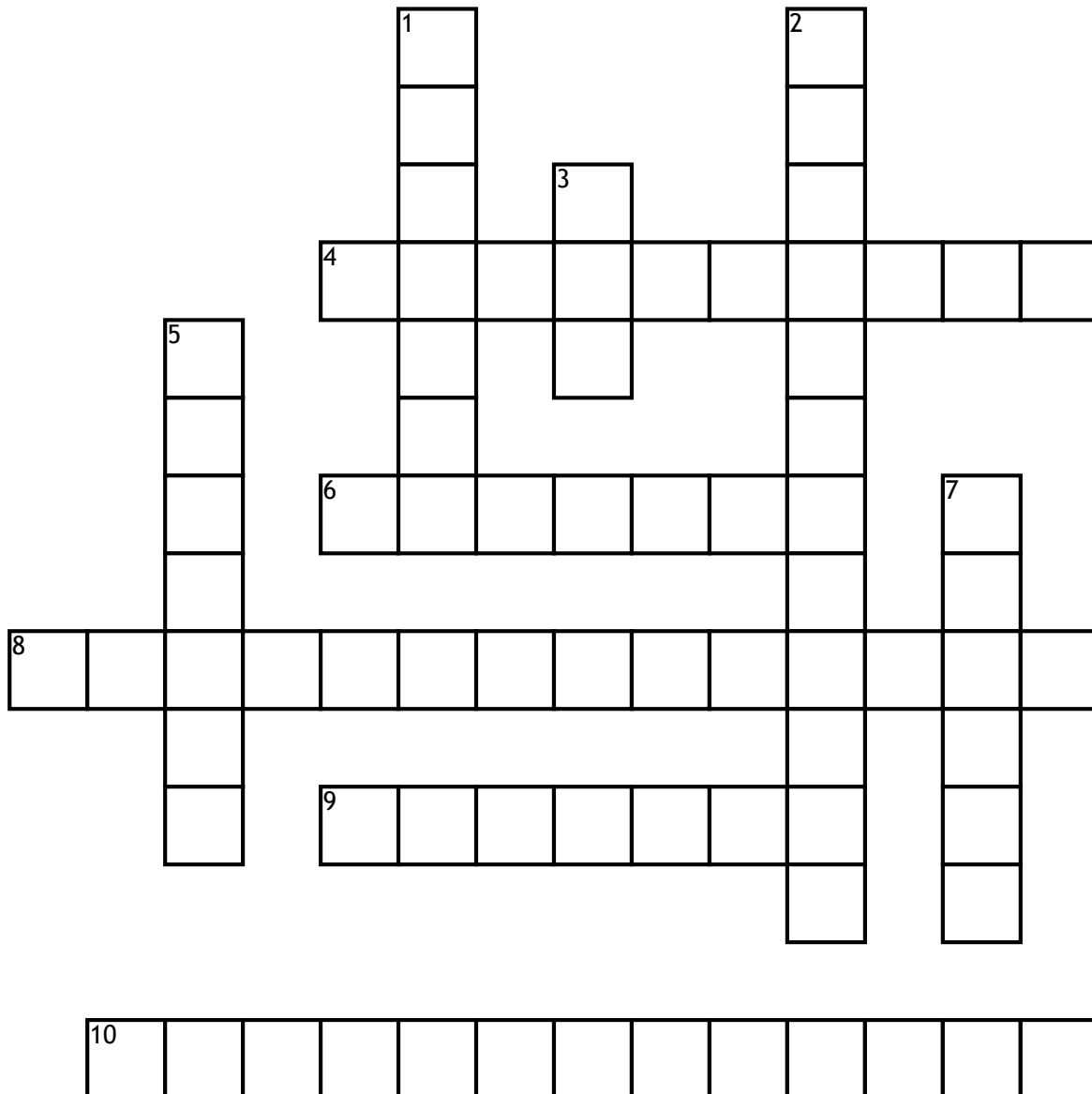


Name: _____

Date: _____

Nuclear Physics



Across

4. represents the total number of protons and neutrons in an atomic nucleus
6. a particle with zero charge found in the nucleus
8. a shorthand symbol for an element
9. the nucleus of a particular atom, as characterized by its atomic and mass number
10. the total number of nucleons in the nucleus

Down

1. two or more atoms of an element that have the same number of protons but different number of neutrons in their nuclei
2. represents the charge of the nucleus in units of e
3. stands for atomic mass unit
5. the collective term for a particle in the atomic nucleus
7. a positively charged particle found in the nucleus of all atoms