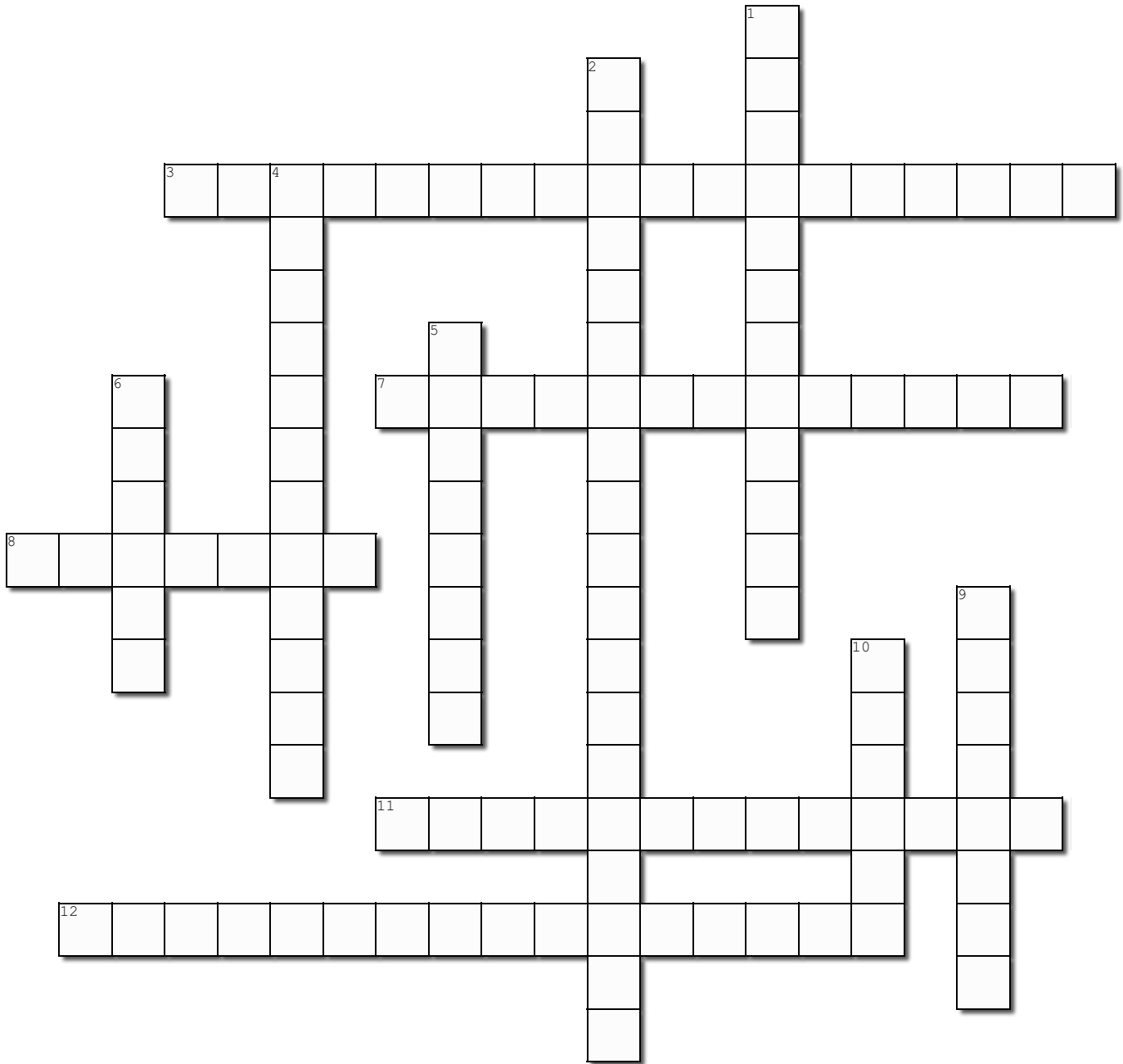


Name: _____

Physical Science Chapter 10 Vocabulary Crossword Puzzle

Fill in the vocabulary word that goes with each definition.



Across

3. the attractive force that binds protons and neutrons together in the nucleus
7. the process in which an unstable atomic nucleus emits charged particles and energy
8. the splitting of an atomic nucleus into two smaller parts
11. a positively charged particle made up of two protons and two neutrons
12. charged particles and energy that are emitted from the nuclei of radioisotopes

Down

1. an electron emitted by an unstable nucleus
2. nuclear radiation that occurs naturally in the environment
4. any atom containing an unstable nucleus
5. a penetrating ray of energy emitted by an unstable nucleus
6. a state of matter in which atoms have been stripped of their electrons
9. the time required for one half of a sample of a radioisotope to decay
10. a process in which the nuclei of two atoms combine to form a larger nucleus