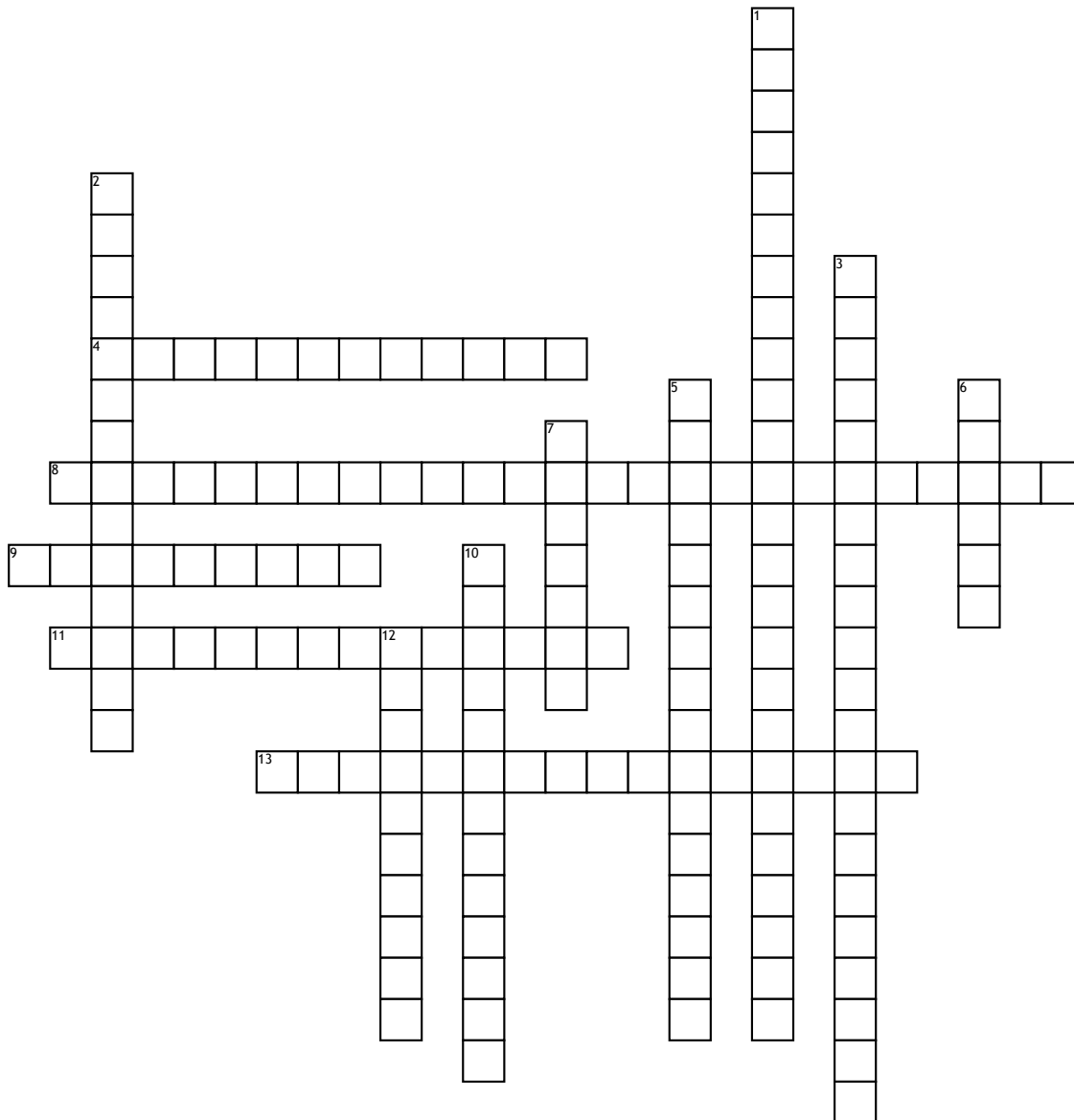


Ch 12 Vocabulary Nuclear Energy



Across

4. To dismantle an old nuclear power plant after it closes
 8. Give off large amounts of ionizing radiation
 9. Used fuel elements that were irradiated in a nuclear reactor
 11. Device that initiated and maintains a controlled nuclear fission chain reaction to produce energy for electricity
 13. Emission of energetic particles or rays from unstable atomic nuclei

Down

1. Give off small amounts of ionizing radiation
 2. Reactor fuel contains combo of uranium oxide and plutonium oxide
 3. Type of nuclear fission in which nonfissionable u238 is converted into fissionable pu239
 5. Processes involved in producing the fuel used in nuclear reactors and in disposing of radioactive wastes

6. Joining of 2 lightweight atomic nuclei into a single heavier nucleus
 7. Splitting of an atomic nucleus into 2 smaller fragments
 10. Energy released by nuclear fission or fusion
 12. Process by which uranium ore is refined after mining to increase the concentration of fissionable u235