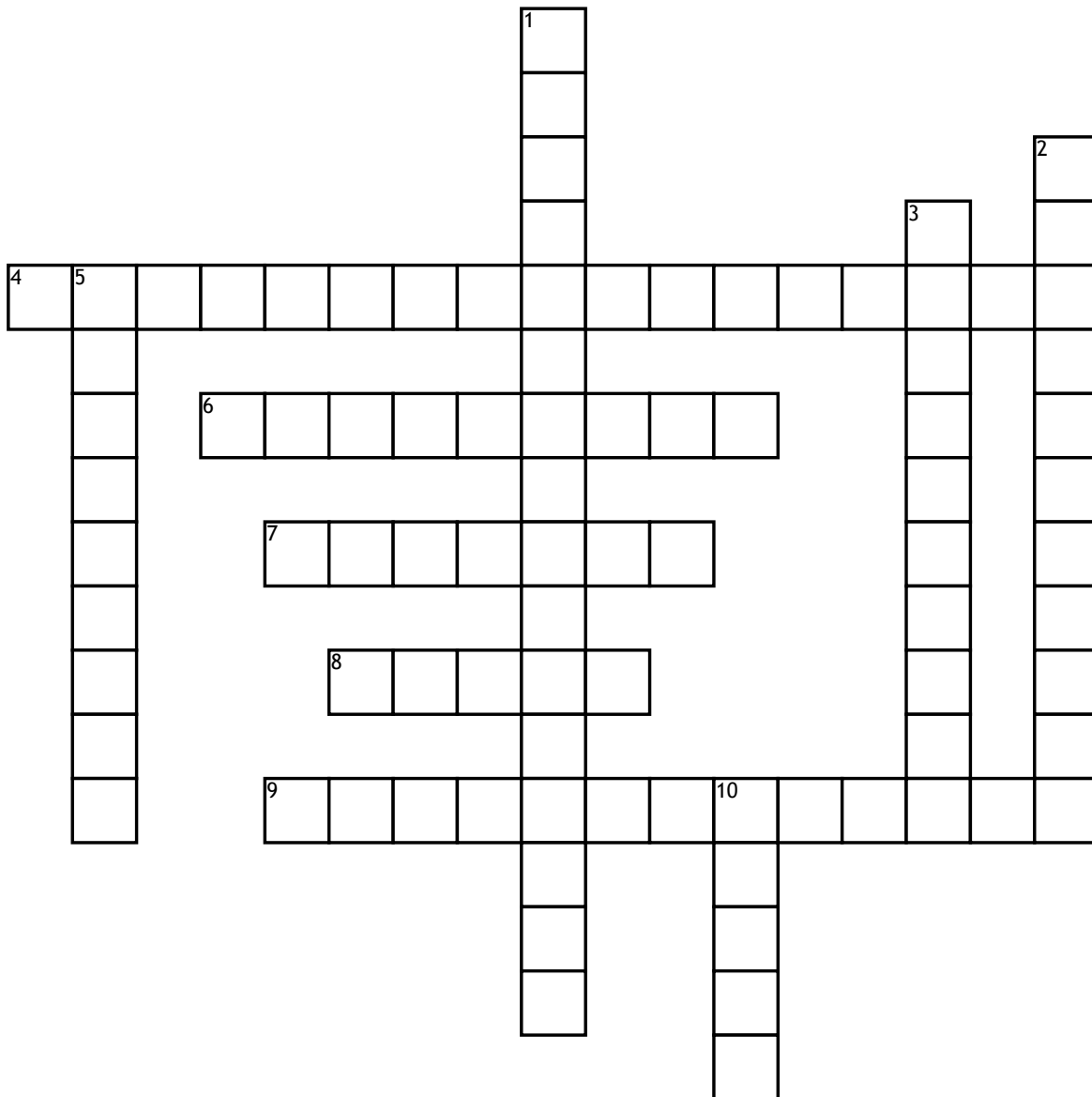


Entree



Across

4. movement of material due to heat and density
6. a dense sphere of solid iron and nickel at the center of earth
7. the amount of matter in a given volume increases with depth in the earth
8. hot less dense mantle material
9. the solid plastic layer of the mantle beneath the lithosphere made of mantle rock that flows very tectonic plates to move on top of it

Down

1. the heat source inside earth that causes the convection currents the breakdown of a elements which releases energy in the form of heat
2. earth crust and solid upper mantle broken into tectonic plates
3. the strong lower part of the mantle between the asthenosphere and the outer core
5. a layer of mothen liquid iron and nickel that surrounds the inner core of earth
10. cooler more dense mantle material