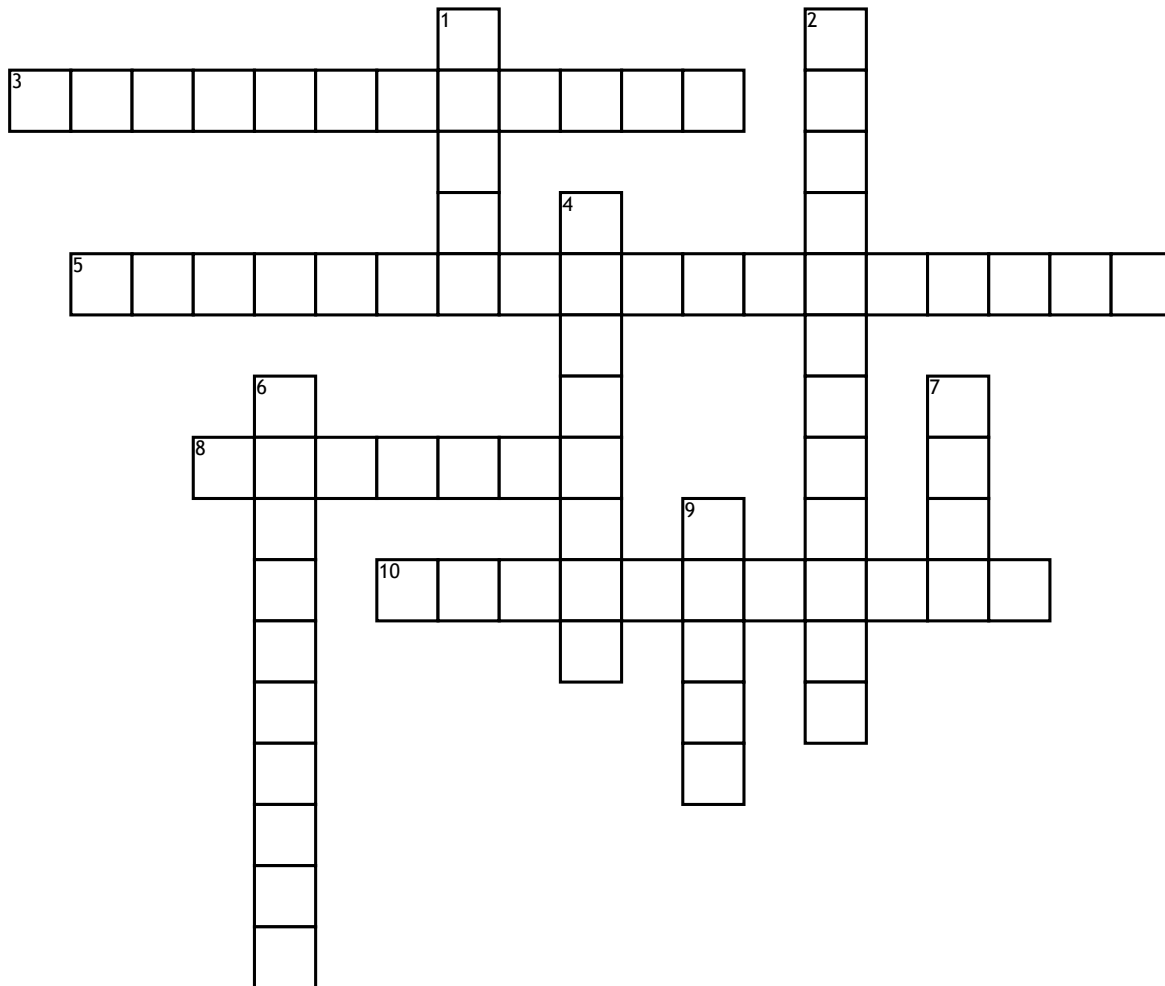


MRI Crossword



Across

3. Spin-spin, or transverse relaxation time; characteristic time constant for loss of phase coherence among spins oriented at an angle to the main magnetic field owing to interactions between the spins; never exceeds T₁

5. Ability of an imaging process to distinguish adjacent soft tissues from one another. This is the principle advantage of MRI.

8. MRI technique used to minimize motion artifacts

10. Stray magnetic field that exists outside of the imager

Down

1. Unit of magnetic flux density in the older CGS (centimeter-gram-second) system

2. Spin lattice, or longitudinal, relaxation time; characteristic time constant for spins to tend to align themselves with the external magnetic field.

4. Atmospheric gasses such as nitrogen and helium that have been cooled sufficiently to condense into a liquid

6. Contrast medium base used in MRI

7. Single or multiple loops of wire designed to produce a magnetic field from current flowing through a wire or to detect a changing magnetic field by voltage induced in the wire.

9. preferred (SI) unit of magnetic flux density or magnetic field intensity. 1 T is equal to 10,000 G (gauss).