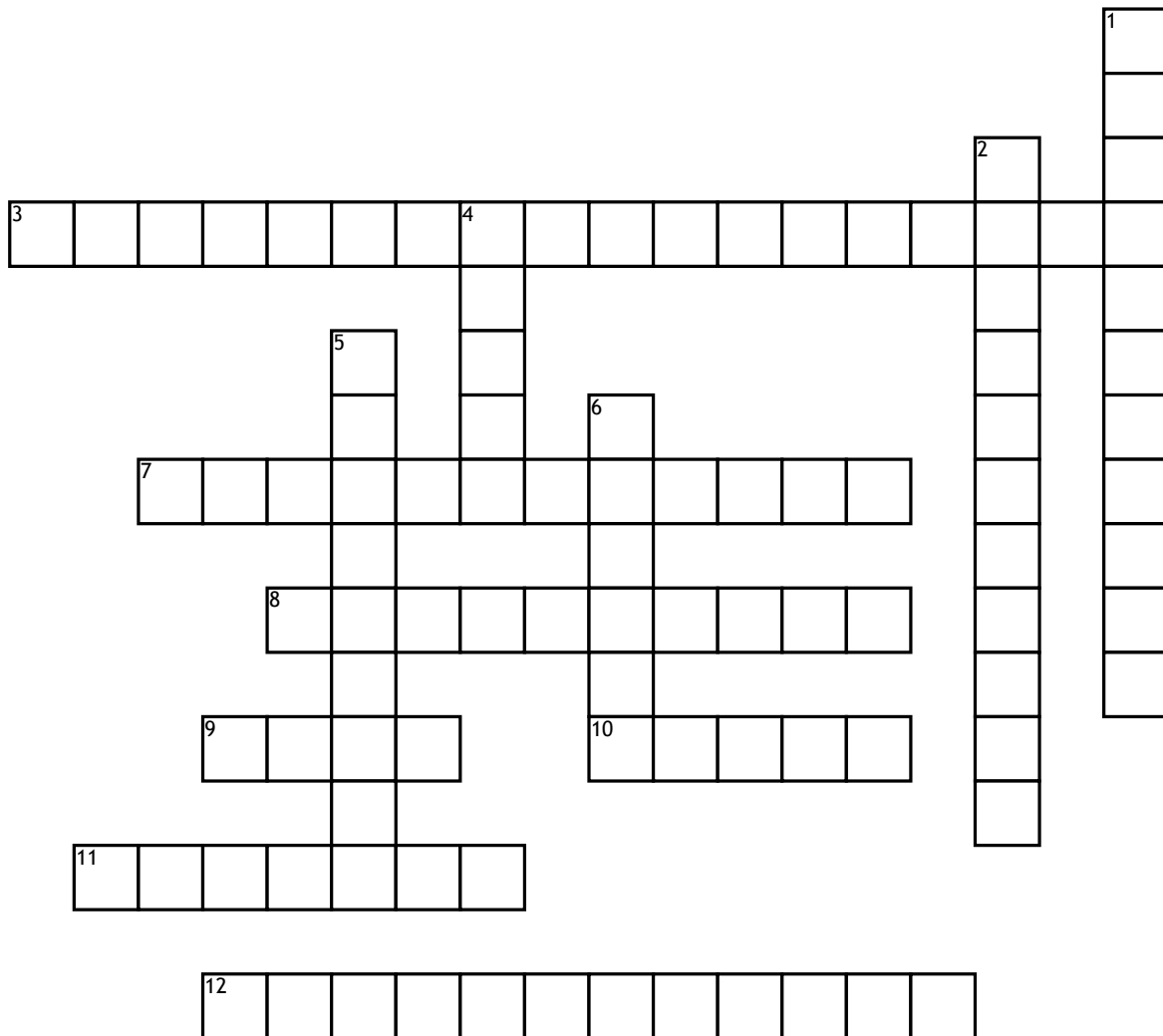


Name: _____

Date: _____

MRI Crossword



Across

- 3. Ability of an imaging process to distinguish adjacent soft tissues from one another
- 7. 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
- 8. Contrast media used in MRI
- 9. Single or multiple loops of wire designed to produce a magnetic field from current flowing through the wire or to detect a changing magnetic field by voltage induced in the wire

- 10. Unit of magnetic flux density in the older CGS system
- 11. Atmospheric gases such as nitrogen and helium that have been cooled sufficiently to condense into a liquid
- 12. Characteristic time constant for spins to tend to align themselves with the external magnetic field

Down

- 1. Stray magnetic field that exists outside the image
- 2. Area of the anatomy that is being imaged

- 4. Preferred (SI) unit of magnetic flux density or magnetic field intensity
- 5. signal-to-noise ration-enhancing technique in which the same MRI signal is repeatedly acquired two or more times and then is combined and averaged
- 6. MRI technique used to minimize motion artifacts, in which conventional electrocardiography or photopulse sensing is used to trigger the acquisition of image data