



## Lesson 3

### Vocabulary Exercise

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For Lesson 3 in our educational series on biomedical engineering, the vocabulary sheet will zero in on anatomical terms related to various body parts commonly examined through magnetic resonance imaging (MRI) technology.

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**Recommended Grade Levels:** 6-8

#### MRI Vocabulary List for Lesson 3

1. **Magnetic Resonance Imaging (MRI):** A medical imaging technique that uses magnetic fields and radio waves to create detailed images of organs and tissues.
2. **Non-invasive:** A procedure that does not require insertion or removal of any instruments into the body.
3. **Diagnosing:** Identifying a disease or condition based on symptoms and medical tests.
4. **Neurological Conditions:** Disorders that affect the nervous system.
5. **Tumor:** An abnormal growth of tissue.
6. **Stroke:** A condition caused by a disruption in blood flow to the brain.
7. **Multiple Sclerosis:** A disease affecting the nervous system's ability to communicate.
8. **Musculoskeletal System:** The system that includes the bones, joints, and muscles.
9. **Ligament:** A band of tissue connecting bones.
10. **Herniated Disc:** A condition affecting the spinal discs.
11. **Arthritis:** Inflammation of joints.
12. **Abdomen:** The part of the body containing internal organs such as the stomach, liver, and intestines.



13. **Pelvis:** The lower part of the torso, containing reproductive and other organs.
14. **Cyst:** A fluid-filled sac that can occur anywhere in the body.
15. **Organ:** A part of the body with a specific function, such as the heart or liver.
16. **Cardiac:** Related to the heart.
17. **Cardiovascular System:** The system that includes the heart and blood vessels.
18. **Heart Defect:** A problem with the structure of the heart.
19. **Blood Flow:** The circulation of blood throughout the body.
20. **Region of Interest:** A specific area within an image that is examined in detail.