

Name \_\_\_\_\_

## Magnets in Medicine: Healing with Attraction

### Open-Ended Response Answer Key

1. Magnetic therapy devices like bracelets and jewelry are often considered safe, but potential risks include allergies to materials used, delaying proper medical treatment, and financial exploitation. Consumers should research and consult healthcare professionals before using such devices.
2. The future of magnetic technology in medicine holds promise for more advanced diagnostic imaging, targeted drug delivery systems, and innovative therapies. Advancements may lead to more precise treatments and a deeper understanding of diseases.
3. Ethics in magnet-based medical technologies involves patient autonomy, informed consent, safety, and avoiding pseudoscientific claims. Ethical principles should prioritize patient well-being and rely on rigorous scientific evidence.
4. Interdisciplinary collaboration between scientists, engineers, and healthcare professionals is essential for developing and implementing magnet-based medical technologies. Successful collaborations have led to innovative solutions in diagnostics, treatments, and research for various medical conditions.

