****

**Electromagnets Pre/Post Test**

1. What is an electromagnet?
	1. Magnetism caused by electric current passing through a coil of wire.
	2. Magnetism caused by static electricity on a magnet.
	3. Magnetism that causes dangerous electricity.
	4. Magnetism that is naturally occurring.
2. Given a coil of wire around a nail, which will result in more magnetism, one or two batteries in series?
	1. One battery
	2. Two batteries
	3. They would be the same.
	4. Neither will create magnetism.
3. What happens to the resulting magnetism if you increase the number of coils around a nail?
	1. The magnetism will stay the same.
	2. The resulting magnetism will decrease.
	3. The resulting magnetism will increase.
	4. All of the above
4. How can you change the resulting magnetism of an electromagnet?
	1. Change the material the core is made from.
	2. Change the number of coils around the core.
	3. Change the voltage by using a different number of batteries.
	4. All of the above
5. Have you thought about being a Magnetic Resonance Imaging (MRI) technician?
	1. Yes
	2. No

Electromagnets Pre/Post Test Answer Key:

1. a.

2. b.

3. c.

4. d.