ALL ABOUT MAGNETS

Name: _____ **Date:** _____ **Class:** _____

Section 1: True or False.

Instructions: Write 'T' on the line if the statement is TRUE and 'F' on the line if the statement is false.

_____ 1. A magnet produces a magnetic field.

_____ 2. Magnets can attract nickel, silver and cobalt.

_____ 3. Magnets normally have a north-seeking pole and a south-seeking pole.

_____ 4. Unlike poles do not attract.

_____ 5. Like poles do not attract.

_____ 6. If the north pole is placed with the north pole of another magnet, they will attract.

_____ 7. Magnets suspended on a string will always lie in a east-west direction.

_____ 8. Plastic cannot be attracted by a magnet.

_____ 9. Staples can be attracted by magnets.

_____ 10. Watches made of pure silver and gold will not attract a magnet.

Section 2: Label the shapes of the magnets using their correct name.



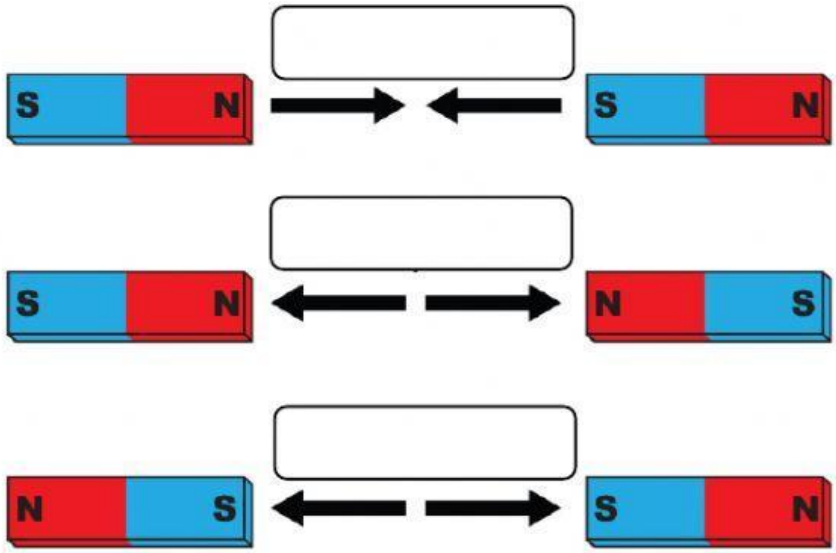








Section 3: State whether these magnets would **attract or repel.**



Section 4: Use the words in the word bank to fill in the blanks.

Permanent	Attract	Temporary	Repel	Poles	Field

1. The opposite poles of a magnet will _____ each other.
2. If two south poles of a magnet are placed together, they will _____ each other.
3. The area around a magnet which the magnetic strength is felt is called the magnetic _____.
4. The magnetic field is strongest at the _____.
5. _____ magnets lose its magnetism (demagnetize) when its power source is removed.
6. _____ hold their magnetism for a very long period of time.

Section 5: Label the parts of the electromagnet.

