

Name - _____

Start time - __ : __

End time - __ : __

Identify the magnetic pole:

1. In a bar magnet, which end is usually marked as the north pole?

2. If you break a bar magnet into two pieces, what happens to the poles of each new piece?

True or False:

- Magnetic fields have no effect on electric currents. _____
- Electromagnets lose their magnetism when the electric current is turned off. _____
- The Earth's magnetic north pole attracts the north pole of a magnet. _____

Explain how a compass works and why it aligns with the Earth's magnetic field.

Explain how a magnetic field is created around a current-carrying wire.

