Lab Name: _____ **Your Name:** _____

SUMMARY: look at your lab notes while doing this!

1. Write down one major conclusion you can draw from this week's laboratory. Please explain.

Based on this week's lab I have concluded that magnetic interaction is based on the north and south poles of a magnetic which influences direction.

2. Describe the experimental evidence that supports your conclusion. Please explain.

During the lab we were asked to use a software that simulates a compass and magnet. The magnetic consisted of a north and south pole. When moving the compass around the magnet, we made a clear observation that the direction of the compass changes based on what side of the pole it's on. For example, when the compass was on the south pole, the red part of the compass pointed inward. When the compass was placed in the other side, the direction faced outward.

3. Give one example of applications/situations for the finding(s) you described above in your everyday life outside of physics lab.

This is definitely used when traveling with a compass, the earth magnetic field regulates the compass direction