Field Lines Worksheet

Observation and Drawing
1. Sketch a picture showing how the shavings line up around the bar magnet.

2. Sketch the pattern made by the iron filings when the nail is placed in them. Remember to draw the nail, wires and battery.

Questions:
3. Of the above two drawings, which was a magnet, and which was an electromagnet?
   #1 was ______________________________   #2 was ______________________________

4. Name at least one similarity between a magnet and an electromagnet:

5. Name at least one difference between a magnet and an electromagnet: