Build a Simple Motor Lab Activity SPH4C

Construct a motor according to the directions attached to the kit. When you have your motor working (spinning freely), show it to your teacher and have your teacher initial this space:

Is this a DC or an AC motor?
What part of the motor is the armature?
What part of the motor is performing the same function as the split ring commutator?
In your own words, explain how the motor works:
Identify at least two difficulties you had in constructing the motor. How did you solve each of these difficulties?
Does the motor work if the magnet is above the coil instead of below? Explain why.
Something else to try:

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What happens if you put a light bulb in series with the motor? Explain why.

What happens if you put a light bulb in parallel with the motor? Explain why.