Here is the final set up for the first portion of the lab. A few things to look out for:

The arrows indicate where the battery should be connected. “This is different than that of the second motors set up.”
You want to make sure that the (red) looped wire has a diameter close to that of a highlighter or regular dry erase marker.
The ends of the wire that are touching the copper (single looped) wire need to be sanded down.
Make sure the two (single looped) bare wires are at even heights.

The motor taken apart will give you 3 parts

Here is the final set up for the second portion of the lab. A few things to look out for:

The battery is only connected to the black insulated wire - NOT the copper (single looped) wire.
The (black) wire is twisted - check to be sure the bare wire segments are not touching each other *this will short the battery*
Make sure the bare (single looped) wire and the black (twisted) wire are at even heights.

The internal motor piece needs to be placed so that the black (twisted) wire holds the side shown here.

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