

# Build an Electric Motor

1 Thin wire

Magnet(s)

Battery

Paper clips

Tape

## Hints

**Neatness usually helps the operation of the motor.**

**Loop must be symmetrical!**

**The dark red wire has insulation, you must remove it with the sandpaper, but only where it makes contact with the paper clips.**

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<b>TIME</b>	<b>POINTS</b>	<b>GRADE</b>
<b>&gt;20 seconds</b>	<b>20 Points</b>	<b>A</b>
<b>10 – 20 seconds</b>	<b>17 points</b>	<b>B</b>
<b>5 – 10 seconds</b>	<b>15 Points</b>	<b>C</b>
<b>0-5 seconds</b>	<b>13 Points</b>	<b>D</b>
<b>No rotation</b>	<b>10 Points</b>	<b>E</b>