

from that. With the current flowing, the free charges in segment ab have a vertical velocity (call it u) in addition to the horizontal velocity v they inherit from the motion of the loop. Thus $d\mathbf{l}$, for the segment ab in Fig. Accordingly, the magnetic force has a component quB to the left. Who, then, is supplying the energy that heats the resistor? Answer: The person who's pulling on the loop