1. . When a long-haired woman puts her hands on a Van de Graaff generator—a large conducting sphere with charge being delivered to it by a conveyer belt—her hair stands on end. Which of the following explains this phenomenon? (A) Like charges attract (B) Like charges repel (C) Her hair will not stand on end (D) Her body is conducting a current to the ground (E) The Van de Graaf generator makes a magnetic field that draws her hair up on end