

9 Accelerating charges with voltage – Part 2 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 in the arrangement (positions) of the charges.

2.2 $qV = 3.0 \times 5.0 = 15 \text{ J}$.

2.3 $qV = 0.20 \times 50 = 10 \text{ J}$.

2.4 electric potential energy is converted into kinetic energy.

2.5 from high potential to low potential (downhill for a positive charge).