

Chapter 6, Problem 26.

Three capacitors, $C_1 = 5 \mu\text{F}$, $C_2 = 10 \mu\text{F}$, and $C_3 = 20 \mu\text{F}$, are connected in parallel across a 150-V source. Determine:

- (a) the total capacitance,
- (b) the charge on each capacitor,
- (c) the total energy stored in the parallel combination.