pacitors of capacitances $C_1 = C_6 = 3.00 \ \mu\text{F}$ and $C_3 = C_5 = 2.00C_2 = 2.00C_4 = 4.00 \ \mu\text{F}$. What are (a) the equivalent capacitance C_{eq} of the capacitors and (b) the charge stored by C_{eq} ? What are (c) V_1 and (d) q_1 of capacitor 1, (e) V_2 and (f) q_2 of capacitor 2, and (g) V_3 and (h) q_3 of capacitor 3?

