

2)

$$1700 \text{ L} \times \frac{1000 \text{ ml}}{1 \text{ L}} \times 0.995 \frac{\text{g}}{\text{ml}} = 1.69 \times 10^6 \text{ g of water}$$

$$1.69 \times 10^6 \text{ g} \times 4.184 \frac{\text{J}}{\text{g}^\circ\text{C}} \times (38^\circ\text{C} - 20^\circ\text{C}) = 1.27 \times 10^8 \text{ J}$$

$$\frac{1.27 \times 10^8 \text{ J}}{1500 \frac{\text{J}}{\text{s}}} \times \frac{1 \text{ hr}}{3600 \text{ s}} = 24 \text{ hr}$$