

28. The amount of water m which is frozen is

$$m = \frac{Q}{L_F} = \frac{50.2 \text{ kJ}}{333 \text{ kJ/kg}} = 0.151 \text{ kg} = 151 \text{ g} .$$

Therefore the amount of water which remains unfrozen is $260 \text{ g} - 151 \text{ g} = 109 \text{ g}$.