Key Equations

11.1 Temperature and Thermal Energy

Celsius to Fahrenheit conversion	$T_{°F} = \frac{9}{5}T_{°C} + 32$
Fahrenheit to Celsius conversion	$T_{°C} = \frac{5}{9}\left(T_{°F} - 32\right)$
Celsius to Kelvin conversion	$T_{K} = T_{°C} + 273.15$
Kelvin to Celsius conversion	$T_{°C} = T_{K} - 273.15$
Fahrenheit to Kelvin conversion	$T_{K} = \frac{5}{9}\left(T_{°F} - 32\right) + 273.15$
Kelvin to Fahrenheit conversion	$T_{°F} = \frac{9}{5}\left(T_{K} - 273.15\right) + 32$

11.2 Heat, Specific Heat, and Heat Transfer

11.3 Phase Change and Latent Heat