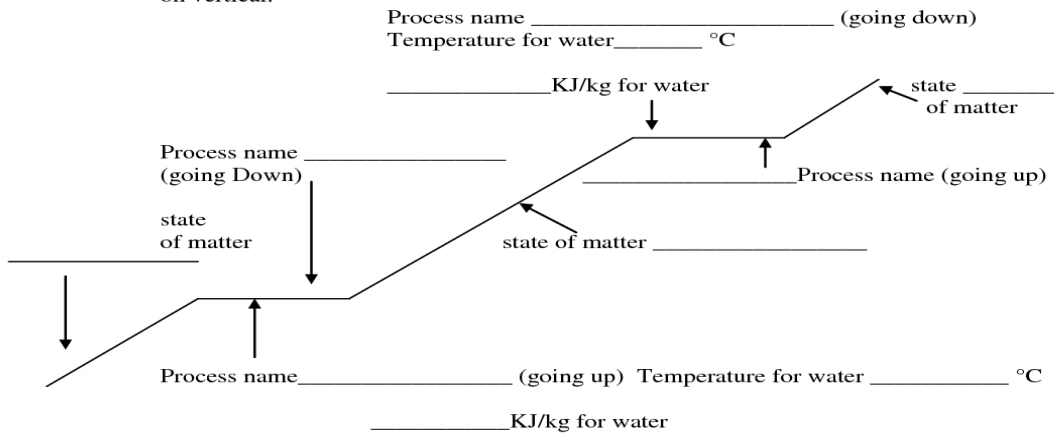


Complete the drawing by filling in the blanks. Time is on horizontal axis temperature is on vertical.



Write the Specific heat with correct unit. Ice _____

Steam _____ Water _____

Solve the Following. Write your answer and show all steps on the back.

1. How much energy is needed to change 50.0 g of water from 273 K to 373 K?
2. How much energy is needed to change 10.0 kg of water to steam?
3. How much energy is needed to change 2 kg of ice at $-10\text{ }^{\circ}\text{C}$ to steam at $110\text{ }^{\circ}\text{C}$?