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just like heating curves cooling curves have horizontal flat parts where the state changes from gas to liquid or from liquid to solid heating curves show how the temperature changes as a substance is heated up cooling curves are the opposite they show how the temperature changes as a substance is cooled down just like heating curves cooling curves have horizontal flat parts where the state changes from gas to liquid or from liquid to solid heating curve how to read how to draw a heating curve aboodytv chemistry youtube aboodytv 8 39k subscribers subscribed 1 6k 149k views 7 years ago in this video we will the most common variable for heat capacity is an uppercase c and the most common units for it are j c j k kj c or kj k the following formula shows how to calculate the heat necessary to increase an object s temperature by a certain change in temperature Δt we use a lowercase q to represent heat energy q c Δt Δt t2 t1 25 2k subscribers subscribed 455 191k views 12 years ago every video kentchemistry com links ma i take you though the basics of interpreting a heating curve identifying heating curve image source by caroline monahan note melting is also referred to as fusion in the sections of this curve where the temperature in constant not changing the average kinetic energy of the particles are not changing superheating when the substance is heated above it s boiling point but boiling does not occur cooling curve the representative heating curve for a substance depicts changes in temperature that result as the substance absorbs increasing amounts of heat plateaus in the curve regions of constant temperature are exhibited when the substance undergoes phase transitions heating curve definition open split view heating curve means a graphical representation of the rate of temperature change in the food throughout the heat process this is usually plotted on semi log graph paper so that the temperature on an inverted log scale is plotted against time on a linear scale sample 1 sample 2 sample 3

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