

The following video shows how a substance changes when you heat it.

[http://www.ies-modesto-navarro.es/european\\_section/2\\_activities/exercises/science2/heating\\_curve.mp4](http://www.ies-modesto-navarro.es/european_section/2_activities/exercises/science2/heating_curve.mp4)



**Answer the questions:**

- a) Where is the melting point?  $122^{\circ}\text{C}$  ,  $242^{\circ}\text{C}$  ,  $50^{\circ}\text{C}$
- b) Where is the boiling point?  $122^{\circ}\text{C}$  ,  $242^{\circ}\text{C}$  ,  $300^{\circ}\text{C}$
- c) What is the temperature like when the change of state is happening?  
Constant , Variable
- d) What is the state of aggregation after 7 hours? Gas, Liquid, Solid
- e) What is the state of aggregation after 10 hours? Gas, Liquid, Solid
- f) How long does the vaporisation process take? 5 hours, 16 hours, 2 hours
- g) What is the state of aggregation when the temperature is  $300^{\circ}\text{C}$ ? Gas, Liquid, Solid
- h) What is the state of aggregation when the temperature is  $10^{\circ}\text{C}$ ? Gas, Liquid, Solid

