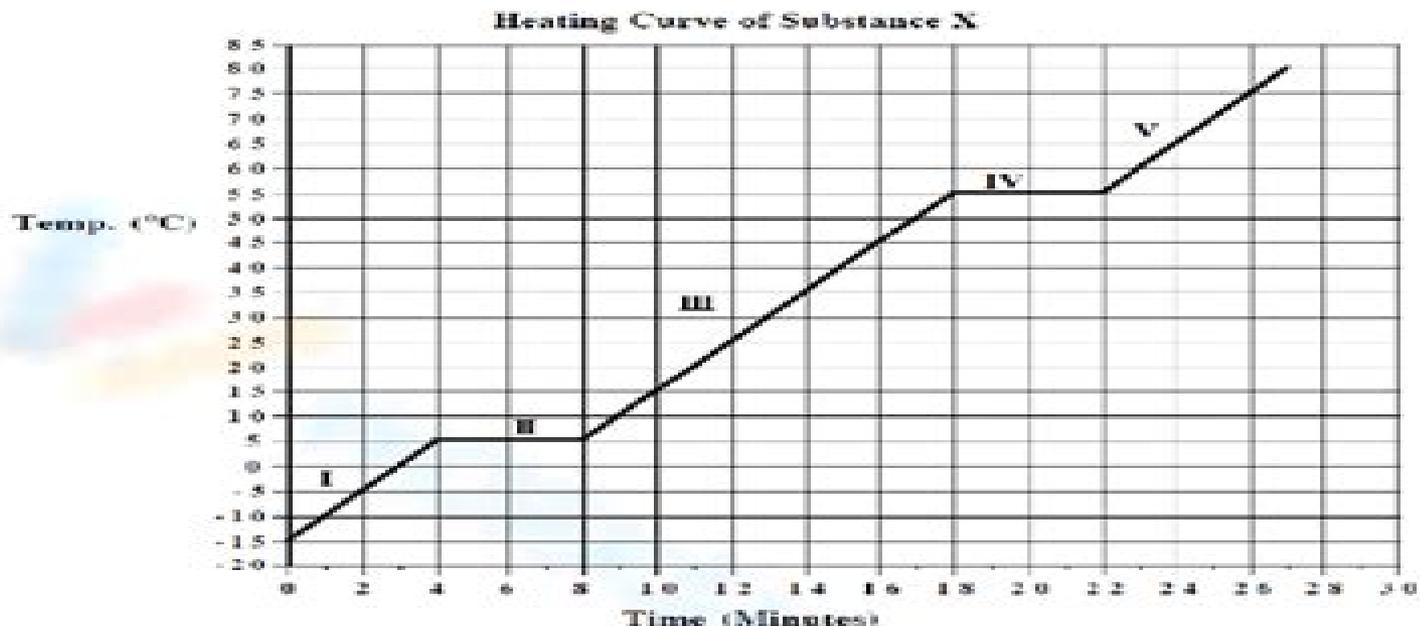


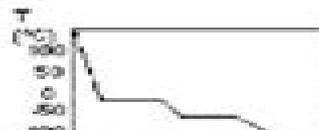
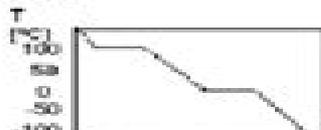
Heating Curves Worksheet



The heating curve shown above is a plot of temperature vs time. It represents the heating of substance X at a constant rate of heat transfer. Answer the following questions using this heating curve:

- _____ 1. In what part of the curve would substance X have a definite shape and definite volume?
- _____ 2. In what part of the curve would substance X have a definite volume but no definite shape?
- _____ 3. In what part of the curve would substance X have no definite shape or volume?
- _____ 4. What part of the curve represents a mixed solid/liquid phase of substance X?
- _____ 5. What part of the curve represents a mixed liquid/vapor phase of substance X?
- _____ 6. What is the melting temperature of substance X?
- _____ 7. What is the boiling temperature of substance X?

Circle the correct cooling curve for water.



Heating Curve Worksheet 1 Answers

Stewart C. Bushong



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