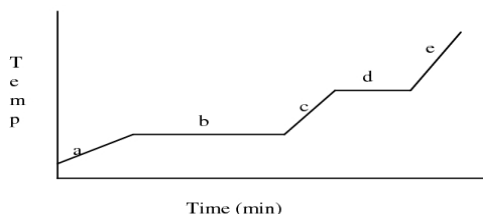


Name _____

Hour _____ Score _____/25

PHASE CHANGE – GRAPHS **Quiz Re-take2008 EBC**

Use the following diagram to answer questions 1-14.



Write the letter from the diagram that best corresponds to each statement:

1. This substance is being heated or cooled? _____
2. How many states of matter are represented in this graph? _____
3. How many changes of state are present in this graph? _____
4. What letter represents the temperature at the Melting Point (mp) of this substance? _____
5. During what **segments** does the graph show no increase in kinetic energy (motion), but there is increasing potential energy? _____
6. During what **segments** does the graph show increasing kinetic energy (motion)? _____
7. The substance is all liquid in what segment? _____
8. The substance is all gas in what segment? _____
9. The substance is all solid in what segment? _____
10. The substance is both liquid and a gas... and energy is being used by atoms/molecules to leave the liquid and become gaseous in what segment? _____
11. In what state of matter is the substance during segment a? (note: no plasma phase shown) _____
12. Which segment represents the point at which a solid is turning into a liquid? _____
13. In what state of matter is the substance during segment e? _____
14. What term do we use for what the substance is doing during segment d? _____.