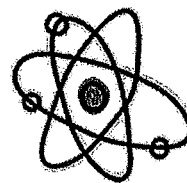


Matter: Changing States Study Guide

Test: Thursday, January 10



Students need to know about the following concepts:

1. Matter
2. States of Matter
3. Melting, Freezing, Boiling, Condensation and Evaporation/Vaporization
4. Difference between the 5 phases of changing states
5. Motion and speed of molecules in each state and motion of molecules as states change
6. How does changing the state of a substance affect its mass

Students can use notes in their science notebook as a study tool. We have provided a list of the titles (below) of reading passages and/or worksheets students have used throughout the unit. Your child should have them in their science folder or at home in a safe place.

Reading passages and worksheets:

1. Matter: Changing States – a definition and picture vocabulary sheet
2. Melting vs. Freezing – a Venn diagram comparing/contrasting the two
3. Shuttle Launch – passage and questions discussing the phase changes
4. Phase Change Flip Chart – discussing energy, states, molecules and real world applications (assigned Monday, Jan 7)
5. Brief Constructed Response – written response discussing the phase changes in nature (assigned Tuesday, Jan 8)

Quiz:

We have supplied students with a quiz on Discovery Education. If your child logs on and takes the quiz, he/she will receive 5 extra credit points on his/her final test grade. This quiz is optional and it will also serve as a study tool. Students can take the quiz as many times as necessary! We highly encourage your child takes advantage of this opportunity!