

Energy transfer/modeling/particulate motion Test Review

This review of information will cover everything on your test. Remember that the handouts used in class are on my web page for review. Your test has 16 questions – mostly free response. Respond to these on a separate piece of paper.

1. Describe each of the 5 types of potential energy and the other 4 types of energy.
2. Give many examples of energy transformations.
3. What is the Law of Conservation of Energy? What is its importance?
4. List the characteristics of a scientific model. What makes a model scientific? What limitations do scientific models have?
5. What are the different types of scientific models?
6. Describe the different temperature scales. Why do we have so many?
7. What is absolute zero and what does it have to do with molecular motion?
8. What are kinetic energy and average kinetic energy?
9. Use particle diagrams to show differences between solids, liquids and gases.
10. Explain the difference between heat and temperature.