Physical Science Guided Reading

NAME DATE PERIOD

Section 4.1 – Energy, pp. 100 – 106

1. Briefly describe the scientific definition of “energy”. Give three examples of energy changing its form or the form of some other substance.
2. List and describe the five major forms of energy.
3. Compare and contrast the scientific and vernacular (common) meanings of kinetic and potential.
4. What are the two components of Kinetic Energy? Which one has a bigger influence?
5. Briefly describe the three types of Potential Energy discussed.
6. What are the two components of Gravitational Potential Energy?
7. Explain how energy can be “stored” in a lake behind a dam.
8. Can energy be converted from KE to PE and back again? Describe one situation…