## Physical Science Workseet: Energy

## Short Answer

- 1. The kinetic energy of an object increases as its \_\_\_\_ increases.
- 2. Increasing the speed of an object \_\_\_\_ its potential energy.
- 3. The SI unit for energy is the \_\_\_\_.
- 4. You can calculate kinetic energy by using the equation \_\_\_\_
- 5. According to the law of conservation of energy, the total amount of energy in the universe \_\_\_\_\_
- 6. What is the energy in motion?
- 7. What is the energy that is stored?
- 8. A jukebox that weighs 1023 N is lifted a distance of 45 m straight up by a rope. The job is done in 117 s. What power is developed in watts?
- 9. Superman, with a mass of 102.06 kg, was flying around one day looking out for trouble. He was flying at a height of 500 m then he stopped and floated in the above.

