**ENERGY FORMULAS**

**Potential Energy:**

**Kinetic Energy:**

***QUICK* Potential & Kinetic Energy Practice**

You serve a volleyball with a mass of 2.1 kg. The ball leaves your hand with a speed of 30 m/s. The ball has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy. Calculate the specific energy.

A baby carriage is sitting at the top of a hill that is 21 m high. The carriage with the baby has a mass of 1.5 kg. The carriage has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy. Calculate the specific energy.

A car is traveling with a velocity of 40 m/s and has a mass of 1120 kg. The car has \_\_\_\_\_\_\_\_\_\_\_\_\_ energy. Calculate the specific energy.

A cinder block is sitting on a platform 20 m high. It weighs 7.9 kg. The block has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy. Calculate the specific energy.

If the speed of an object is doubled, what happens to its kinetic energy?