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| <p>How do you know if an object has energy?</p> | <p>How can you change the motion energy of an object?</p> |
| <p>Imagine a marble held at the top of a ramp. Does the marble have any energy? How do you know?</p> | <p>How do you know that the energy of an object has changed?</p> |
| <p>Why does a person's speed increase as they go down a slide?</p> | <p>A cup is full of water at 75°C. A bathtub is full of water at 75°C. Do they have the same amount of energy?</p> |
| <p>What happens to the energy when a bumper car that is moving collides with a bumper car that is not moving?</p> | <p>What changes in energy occur when you crank a hand crank flashlight, and the light comes on?</p> |
| <p>A boulder rolls down a steep hill. How would you describe the boulder's energy at the top of the hill? Halfway down the hill?</p> | <p>You wind up a toy penguin and release it. The toy wobbles forward and makes a clacking sound. What is the evidence of energy changes in the system?</p> |
| <p>Why does a car go faster the farther you pull back the rubber band in a toy car launcher system?</p> | <p>What observable changes would you look for in a system to provide evidence that the energy in the system has changed?</p> |



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