

<p>How do we know that the energy of an object or system has changed?</p> <p>1.</p>	<p>Stored energy of position (potential energy) can be transformed to energy of motion (kinetic energy). The more stored energy (potential energy) an object has, the more energy can be converted to energy of motion (kinetic energy) and the faster the object will move as stored energy is transformed to energy of motion.</p> <p>2.</p>
<p>How can we change the amount of motion energy of an object?</p> <p>3.</p>	<p>Energy is all around us and changes in energy can be detected when the motion of an object changes.</p> <p>4.</p>
<p>Energy can be transferred from object to object through collisions. The faster an object is moving, the more energy it has that can be transferred to another object in a collision.</p> <p>5.</p>	<p>How do we know if something has energy?</p> <p>6.</p>
<p>Where does the energy come from and where does it go when changes happen in a system?</p> <p>7.</p>	<p>Energy flows as it is transferred and changed in various ways in between objects and in/out of systems.</p> <p>8.</p>
<p>The production of heat, light, sound, or motion are evidence that the energy of an object or system has changed. Energy can be changed from one type to another in a variety of ways.</p> <p>9.</p>	<p>What happens to energy when objects collide?</p> <p>10.</p>



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