

**SECTION**  
**2****Reinforcement****Conservation of Energy**

**Directions:** *In each of the following situations, energy is changed from one form to another. Study each situation and identify the energy transformations in the space provided.*

1. An electric blanket warms a bed on a chilly night.

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2. A rock in Death Valley, California, becomes hot during a summer afternoon.

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3. A deputy sheriff rides a horse while directing traffic.

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4. A chandelier brightens a ballroom after a waiter moves a switch.

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5. A swallow sitting on a fence sings a song for anyone who will listen.

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6. A jet plane rapidly accelerates on the runway.

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7. A walnut falls to the ground from a lofty branch on a walnut tree.

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8. A placekicker sends a football through the uprights of a goalpost.

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9. A base runner slides safely into third base.

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10. A nuclear powered submarine transports its crew from New Orleans to Mobile.

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