Potential & Kinetic Energy

DIRECTIONS: Read each scenario below carefully. Determine if the system described is in a Potential State of Energy or in a Kinetic State of Energy.

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| System | Potential or Kinetic State of Energy |
| A car traveling @ 100 mph along a flat road |  |
| A rubber band that has been stretched |  |
| A bowling ball rolling down a lane |  |
| A piano lifted by a crane to a second story window |  |
| A skateboarder jumping off a ramp |  |
| A basketball player dribbling a ball |  |

DIRECTIONS: Look carefully at each picture. Use BAM to describe what work is being done or can be done in the image. Choose a system and describe whether the system is in a Potential state of energy or a Kinetic State of Energy. Then, explain how the Potential Energy can be transformed into Kinetic Energy or vice versa. thinking.



Figure Steph Curry preparing to take a shot.

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Figure Roller Coaster at the top of a steep hill.

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Figure Bowl of salad

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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