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| **Roller Coaster: Potential and Kinetic Energy Notes** | |
| **Question** | **Answer** |
| Define Energy |  |
| Define Work |  |
| What does work depend on? |  |
| Define the law of conservation of energy |  |
| How does energy change as a roller coaster moves? | Mechanical \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is changed to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.   1. c. 2. d. |
| Define mechanical energy |  |
| What are two types of mechanical energy? |  |
| Define Potential Energy |  |
| What are some examples of potential energy? |  |
| Define Kinetic Energy |  |
| How can kinetic energy be affected? |  |
| Label the coaster | f)  g)  h)  k) |
| What are other examples of the transfer of potential energy to kinetic energy? |  |