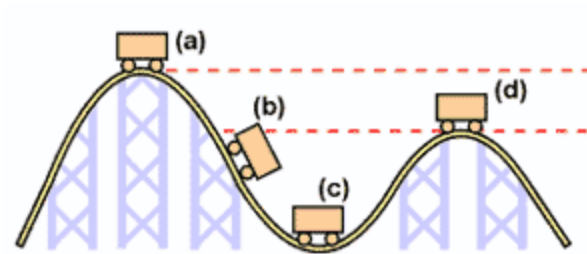


GCS Grade 7 Science Unit G Study Guide Energy

1. What is potential energy?
2. What is kinetic energy?
3. What are the three types of potential energy?
4. What are the five types of kinetic energy?
5. What energy transformation occurs as a match burns?
6. Label the points (a), (b), (c), and (d) with kinetic and/or potential energy on the following diagram.



7. What is the law of conservation of energy?
8. List the six simple machines and provide one example of each.
9. What is a second class lever? Draw a picture to illustrate.
10. In what situation might a pulley be useful?
11. What is work?
12. What is a compound machine?