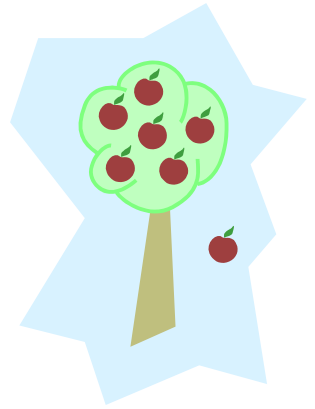


## Lesson 4, Engineering Sport – Energy Matching Quiz – **Answers**



### Directions

Write the letter of the correct answer on the left hand line next to the question. One of the answers will be used twice, and one of the answers will not be used.

- |          |   |   |
|----------|---|---|
| <u>D</u> | 1. Define kinetic energy.   | A. Stored energy                              |
| <u>B</u> | 2. What type of energy does an apple have when hanging in a tree?                         | B. Potential energy                           |
| <u>A</u> | 3. Define potential energy.   | C. On the ground                              |
| <u>G</u> | 4. What kind of energy does a bicyclist have when riding down hill?                       | D. Energy of motion                           |
| <u>F</u> | 5. What kind of energy does a bicyclist have when riding on a flat path?                  | E. On the tree                                |
| <u>F</u> | 6. If an object is not moving, which type of energy does it <u>not</u> have?              | F. Kinetic energy                             |
| <u>H</u> | 7. If an item is on the flat ground and it not moving, which type of energy does it have? | G. Both kinetic energy and potential energy   |
| <u>E</u> | 8. Which has more potential energy? An apple in a tree or an apple on the ground?         | H. Neither kinetic energy or potential energy |