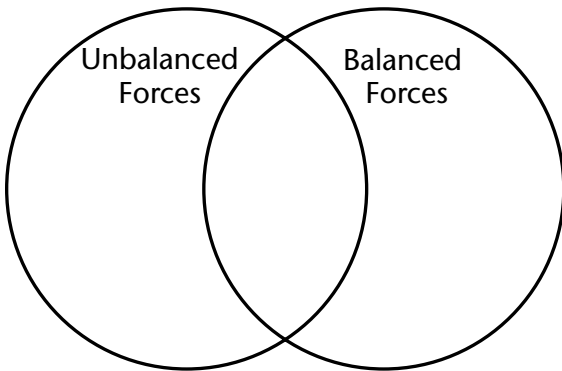

The Nature of Force

Understanding Main Ideas

Write the phrases listed below in the Venn diagram. Write the characteristics shared by unbalanced and balanced forces in the area of overlap.

- | | |
|----------------------------------|-------------------|
| change an object's motion | push or pull |
| do not change an object's motion | have direction |
| net force = 0 | net force not = 0 |

1.



Answer the following question in the space below.

2. Describe how to combine unequal forces acting in opposite directions.

Building Vocabulary

Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column.

- | | |
|--------------------------|--|
| ___ 3. newton | a. the SI unit for force |
| ___ 4. force | b. sum of all forces acting on an object |
| ___ 5. unbalanced forces | c. push or pull |
| ___ 6. balanced forces | d. can change an object's motion |
| ___ 7. net force | e. will not change an object's motion |