

REINFORCEMENT

● Connecting Motion with Forces

Listed below are answers. Write a question for each answer. The first one has been done as an example.

1. push or pull What is a force?

2. net force _____

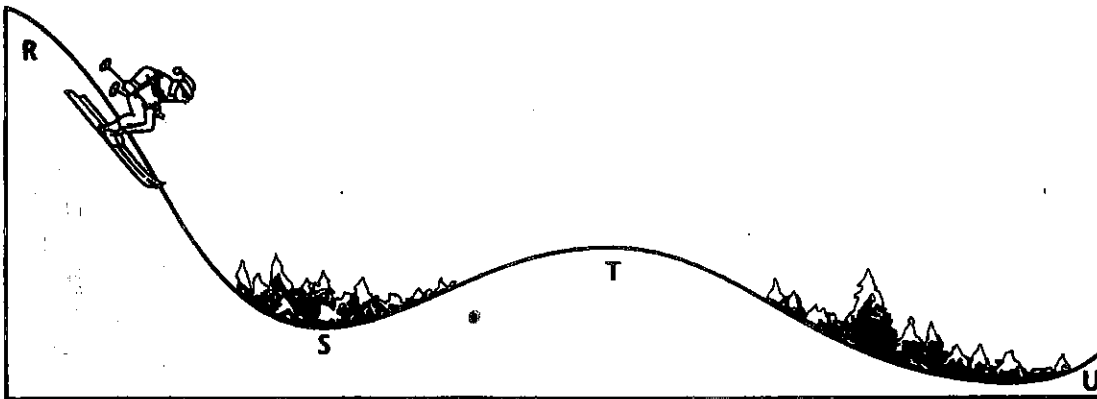
3. balanced forces _____

4. friction _____

5. inertia _____

6. Newton's first law of motion _____

Study the diagram below. Then answer the following questions by circling the letter that best answers each question.



7. A person skis downhill from point R to point U. The speed of the skier increases in going from point R to point S because
 - a. only balanced forces act on the skier.
 - b. an unbalanced force acts on the skier.
 - c. only inside forces act on the skier.
 - d. no forces act on the skier.
8. The skier is able to coast between points S and T even though it is uphill because of
 - a. gravity.
 - b. centripetal force.
 - c. cohesive force.
 - d. inertia.
9. The force that opposes motion between the skier's skis and the surface of the snow is
 - a. net.
 - b. balanced.
 - c. friction.
 - d. inertia.