

Velocity Acceleration and Forces

Name _____ Date _____

Balanced and Unbalanced Forces

1. What happens to a book sitting at rest on a desk because of the forces acting on it?

- (a) The book moves to the left
- (b) The book moves to the right
- (c) The book stays at rest
- (d) The book explodes



2. A ball is rolling on downhill. What force is causing the ball to move?

- (a) Gravity
- (b) Lift
- (c) Friction
- (d) None of the above



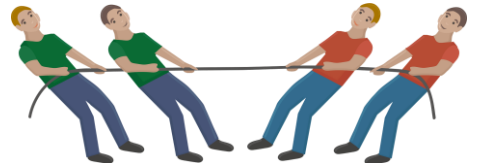
3. A man pulls a wagon with a rope. What kind of forces are acting on the wagon?

- (a) Balanced forces only
- (b) Unbalanced forces only
- (c) No forces at all
- (d) I can't tell without seeing the wagon



4. In a tug-of-war, two teams are pulling a rope in opposite directions with equal force. What will happen to the rope?

- (a) The rope will move to the left
- (b) The rope will move to the right
- (c) The rope will stay still
- (d) The rope will become stronger



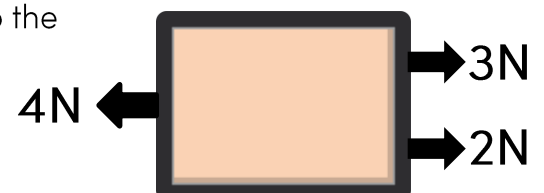
5. What force enables a hot air balloon to float in the sky?

- (a) Gravity only
- (b) Air pressure
- (c) Friction only
- (d) Drag



6. A force diagram shows an object with two arrows pointing to the right (3 N and 2 N) and one arrow pointing to the left (4 N). What is the net force acting on the object?

- (a) 1 N to the right
- (b) 1 N to the left
- (c) 9 N to the right
- (d) 9 N to the left



Answer Key

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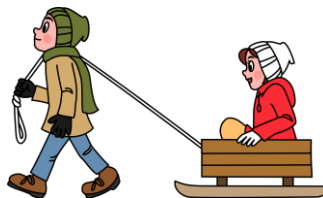
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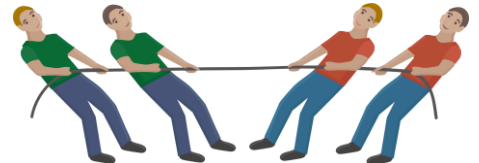
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