

Name: _____

Date: _____

Class: _____

1. What is true about all forces?

- a. They are unbalanced
- b. They involve more than one object
- c. They cause objects to move
- d. They cancel each other out

2. What does the measurement unit N stand for?

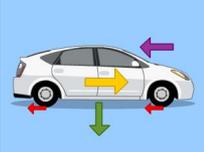
- a. Net force
- b. Newton
- c. Neutrino
- d. Net weight

3. Which two components must a vector quantity have?

- a. Magnitude and velocity
- b. Acceleration and direction
- c. Force and speed
- d. Direction and magnitude

4. If the net force on an object is zero, what can you conclude?

- a. The object is not accelerating
- b. The object is not touching anything
- c. The object is not moving
- d. The object is slowing down

5.  Which one of these arrows best corresponds to the force of drag?

- a. 
- b. 
- c. 
- d. 

6. What can you infer about an object moving at a constant velocity?

- a. No forces are acting on it
- b. Gravity is exerting the strongest force on it
- c. The forces acting on it are in balance
- d. It is stationary

7. Acceleration occurs when an object is subjected to a(n):

- a. Force
- b. Balanced force
- c. Unbalanced force
- d. Contact force

8. What is true of non-contact forces?

- a. They are always stronger than contact forces
- b. They always drive two objects farther apart
- c. They become weaker with distance
- d. They can not make two objects touch

9. If you drop an egg off of the Empire State Building, which of the following things will happen first?

- a. Drag will increase
- b. The egg will appear to hover
- c. Gravity and drag will fall into balance
- d. The net force will be zero

10. Which of the following statements is always true?

- a. An object at rest has no forces acting on it
- b. Unbalanced forces lead to a change in speed or direction
- c. Gravity always leads to an unbalanced force
- d. The net force on a moving object can never be zero