Acceleration and Motion and Forces Review

acceleration	velocity	direction
negative	positive	time

Acceleration occurs when an object's 1._____ changes. When an objects speeds up, it has 2._____ acceleration. When an object's final velocity is less than its initial velocity, however, it has 3._____ acceleration. An object that is changing 4._____ is accelerating, even if its speed remains the same. Acceleration can be calculated by dividing the change in velocity by the 5._____ interval in which the change occurred. The SI unit of 6._____ is m/s^2

Matching

_____ 7. results in a net for of zero

_____ 8. the tendency of an object to resist any change in motion

_____ 9. cause an object's velocity to change

_____ 10. a push or pull that can change an object's motion

_____ 11. states that an object at rest will remain at rest unless acted upon by a net unbalanced force

_____ 12. the combined force on an object

a. force

b. net force

c. unbalanced forces

d. balanced forces

e. inertia

f. Newton's first law of motion

LIVEWORKSHEETS