Name: _____ Date: _____

Vocabulary Test

1. motion with a constant velocity	A. uniform motion
2. motion with a constant acceleration	B. torque
3. are parts of a vector that lie on the axes of a coordinate system	C. rotational motion
4. a force that resists motion	D. tension
5. the force that operates between masses which has an infinite range	E. non uniform acceleration
6. a force that acts in a direction perpendicular to the common contact surface between two objects	F. impulse
7. a physical quantity that has a magnitude and a direction	G. friction
8. the state of an object when the vector sum of all the forces acting on it is zero	H. speed
9. the magnitude of the force exerted on and by a cable,rope or string	I. mass
10. a diagram, with a coordinate system, in which all quantities are represented by vectors	J. vector
11. a force that acts to produce a rotation	K. system
12. also known as constant acceleration	L. resultant vector
13. a frictional force that acts to keep an object at rest	M. static equilibrium
14. an arbitrarily assigned group of objects	N. resolved vectors
15. the distance an object travels divided by the time the object was travelling	O. velocity
16. a vector representing the sumof two or more vectors	P. vector diagram
17. angular motion around one point	Q. normal force
18. components of a vector that are at right angles to each other	R. momentum
19. the acceleleration that is changing with time	S. uniformly accelerated motion
20. the product of an object's mass and its velocity	T. physics

21. the rate of change of position of an object in a particular direction

22. a physical quantity that has onlya magnitude or size

23. the study of the relationship between matter and energy

24. the quantity of matter an object contains

25. the vector sum of allforces acting on an object

26. the product of the force exerted on an object and the time interval over which the force acts

U. static frictional force

V. scalar

W. uniform acceleration

X. gravitational force

Y. components

Z. net force