Quizlet

NAME	

24 Multiple choice questions

- 1. angles measured clockwise from north; used in vector analysis
 - a. energy
 - b. gravity
 - c. dynamics
 - d. CORRECT: bearings
- 2. defined as displacement over time
 - a. average speed
 - b. **CORRECT:** average velocity
 - c. instantaneous velocity
 - d. gravity
- 3. defined as distance over time
 - a. CORRECT: average speed
 - b. displacement
 - c. average velocity
 - d. energy
- 4. the SI unit of mass
 - a. CORRECT: kilogram
 - b. force
 - c. energy
 - d. joule
- 5. when two or more objects exert forces on each other, generally over a short time interval
 - a. CORRECT: collision
 - b. friction
 - c. component
 - d. joule

6.	the unity of energy (or work); the product of a force of one newton acting through a distance of one metre a. energy b. force c. impulse d. CORRECT: joule
7.	one of the numerous vectors that can be added vectorially to yield a resultant vector a. impulse b. CORRECT: component c. joule d. collision
8.	the time rate of change of velocity; can be a speeding up, slowing down and/or changing of direction a. CORRECT: acceleration b. inertia c. collision d. friction
9.	the property of matter that causes it to resist changes in motion a. energy b. impulse c. CORRECT: inertia d. force
10.	the velocity at an instant of time; found by taking the average velocity over an extremely small time interval; it is equal to the slope of the tangent at the point on a displacement-time graph a. average velocity b. inelastic collision c. CORRECT: instantaneous velocity d. displacement

- Test: 11 Physics 6 Moving About Part $1 \mid Quizlet$ 11. friction caused by movement of bodies through the air a. impulse b. **CORRECT:** air resistance c. inertia d. acceleration a force that always opposes motion; arises as a result of contact between different materials 12. a. inertia b. gravity c. CORRECT: friction d. force the capacity for doing work 13. a. force b. inertia c. bearings d. **CORRECT:** energy the product of force and time; equals the change in momentum 14. a. joule b. force c. inertia d. CORRECT: impulse the force directed towards the centre of a circle necessary for an object to follow a circular path 15. a. force b. CORRECT: centripetal force c. energy d. centripetal acceleration
 - that region of space in which a mass experiences a force of attraction from other masses 16.
 - a. CORRECT: gravitational field
 - b. friction
 - c. average speed
 - d. gravity

Physics 6 Moving About – Part 1 Quizlet	
17.	a collision in which kinetic energy is conserved
	a. collision
	b. CORRECT: elastic collision
	c. inelastic collision
	d. acceleration
18.	that which changes the motion or shape of a body
	a. CORRECT: force
	b. energy
	c. joule
	d. impulse
19.	the acceleration directed towards the centre of a circle about which an object is moving
	a. CORRECT: centripetal acceleration
	b. elastic collision
	c. centripetal force
	d. acceleration
20.	the study of the causes of motion
	a. CORRECT: dynamics
	b. friction
	c. gravity
	d. bearings
21.	the state in which a body does not undergo any changes in its motion; the resultant force is zero
	a. collision
	b. friction
	c. kilogram
	d. CORRECT: equilibrium
22	change in position in a given direction

22. change in position in a given direction

- a. **CORRECT:** displacement
- b. component
- c. impulse
- d. dynamics

- 23. a collision in which kinetic energy is not conserved; it is conserved into other forms such as heat and sound
 - a. **CORRECT:** inelastic collision
 - b. acceleration
 - c. elastic collision
 - d. collision
- 24. the force of gravitation on an object
 - a. bearings
 - b. CORRECT: gravity
 - c. dynamics
 - d. energy