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PLE CHOICE. Choose the one alte	ernative that best	completes the statement or answers the questi	ion.
1) Two people are balanced on a see seesaw, that person's end of the se	-	n leans inward toward the center of the	1)
A) stay at the same level.	cesaw tenas to	B) rise.	
C) fall.		D) need more information	
2) The chef at the infamous Fattenin	ng Tower of Pizza	tosses a spinning disk of uncooked pizza	2)
dough into the air. The disk becor	mes wider during	its flight, while its rotational speed	
A) quickens.	B) remains co	nstant. C) slows.	
3) A coin and a ring roll down an in A) coin.	cline at the same t	time. The one to first reach the bottom is the	3)
B) ring.			
C) both reach the bottom at th	e same time		
4) The rotational inertia of your leg	is greater when yo	our leg is	4)
A) same either way	B) bent.	C) straight.	
5) As a huge rotating cloud of partic ball, it shrinks in size and	cles in space gravi	tate together forming an increasingly dense	5)
A) rotates at the same speed.		B) cannot rotate.	
C) rotates slower.		D) rotates faster.	
6) A ring, a disk, and a solid sphere begin rolling down a hill together. Which reaches the bottom first?			6)
A) sphere			
B) ring			
C) disk			
D) all reach the bottom at the	same time		
E) need more information			
	0	s fulcrum one-eighth the distance from where	7)
he sits at one end. Which weighs	more?		
A) they have equal weights		B) the seesaw	
C) the boy		D) need more information	
8) A vertically-held sledge hammer is easier to balance when the heavier end is			8)
A) same either way			
B) on your hand.	1 ,		
C) at the top, away from your	hand.		

9) You can safely stand on the overhanging end of a heavy plank that rests on a table. How much overhang depends on your mass and the plank's mass. If you can stand on the end of a plank that overhangs the edge of the supporting table 1/4 its total length, how massive is the plank compared to your mass?  A) twice  B) 1/2  C) 1 and 1/2 times  D) 4 times  E) the same	9)	
<ul> <li>10) As you crawl toward the edge of a large freely-rotating horizontal turntable in a carnival funhouse, the angular momentum of you and the turntable <ul> <li>A) decreases in direct proportion to your decrease in revolutions per minute.</li> <li>B) increases.</li> <li>C) decreases.</li> <li>D) remains the same, but the revolutions per minute decrease.</li> <li>E) none of these</li> </ul> </li> </ul>		
L) none of these		

Answer Key Testname: QUIZ - ROTATION

- 1) B 2) C 3) A 4) C 5) D
- 6) A 7) C 8) C 9) E 10) D