

Circular Motion and Gravitation

Objective	Reinforcement	Quiz 1 Score	Review Test
Define, distinguish and discuss: centripetal acceleration, centripetal force, tangential/linear velocity, angular velocity, centrifugal force, rotate, revolve, period, frequency, center of mass, centrifugal force (6.1)	1. Read book: Define terms using text book. (Ch 10) 2. SBM: Reading_Study_Summary_CH_10 3. SBM: Reading_Study_Summary_CH_13		
Conceptually identify/label on a FBD the force/forces causing a centripetal acceleration. (6.2)	1. Read book: Ch 10.3-10.4 2. Read TPC: CM&G Lesson 1c 3. MOP- CM&G: CG2 or CG4 4. SBM: Reading_Study_Exercises_CH_10.3 #21-26		
Solve numerical/relationship problems using tangential velocity and centripetal acceleration. (6.3)	1. Read book: Ch 10.1-10.2 2. Read TPC: CM&G Lesson 1a,b 3. MOP- CM&G: CG1 4. SBM: Reading_Study_Exercises_CH_10.2 5. SBM: Reading_Study_Summary_CH_10.2		
Solve numerical/relationship problems involving the variables for centripetal force using $F=(mv^2./r$ and $F = 4\pi^2mr / T^2$ (6.4)	1. Read book: Ch 10.3-10.4 2. Read TPC: CM&G Lesson 1e,2a-c 3. MOP- CM&G: CG3 or CG5 4. SBM: Reading_Study_MathPractice_CH_10 5. SBM: Reading_Study_Summary_CH_10.3		
Conceptually apply Newton's three laws in a rotating system. (6.5)	1. Read book: Ch 10.5 2. Read TPC: CM&G Lesson 2a 3. SBM: Reading_Study_Exercises_CH_10.5		
Solve numerical/relationship problems using Universal Law of Gravitation. (6.6)	1. Read book: Ch 13.1-.5 2. Read TPC: CM&G Lesson 3c 3. MOP- CM&G: CG6 or CG8 4. SBM: Concept_Development_Practice_13.3 5. SBM: Problem_Solving_Exercises_8-1(odds or evens) 6. SBM: Reading_Study_MathPractice_CH_13		

SBM = Supplemental Book Material found on the Extras Drive Pathway: Extras→Science→Physics→Physics (432)→SBM

TPC =Tutorials found at www.physicsclassroom.com

MOP = Minds on Physics found at www.physicsclassroom.com (be sure to print the success screen by clicking **Print Scr** on the function keys and pasting that into a word document.

CYU = Check your understanding questions at the end of a tutorial.