

Name : _____ Grade/Year : _____ Subject : Physics

School's Name : _____ Date : _____ Marks obtained :

Choose the correct answer from 4 options and circle the correct one.

1. Acceleration due to gravity is also called
 - A. Free-fall acceleration
 - B. Centripetal acceleration
 - C. Displacement
 - D. Terminal velocity
2. Weight can be calculated by multiplying mass with
 - A. Speed
 - B. Force
 - C. Gravity
 - D. Displacement
3. In case of no air resistance, objects of different masses fall
 - A. With equal acceleration
 - B. With equal displacements
 - C. With equal velocity
 - D. With different displacement
4. Objects that are falling toward the Earth in free fall move
 - A. Slower and slower
 - B. Faster and faster
 - C. Slower then faster
 - D. At a constant velocity
5. Which would hit the ground first if dropped from the same height in a vacuum a coin or a hammer?
 - A. The coin
 - B. The hammer
 - C. Both would hit the ground at the same time
 - D. Both would be stopped in a vacuum
6. A motion under the influence of gravity is called:
 - A. Free fall
 - B. Gravitational potential
 - C. Negative velocity
 - D. Positive velocity
7. An object in free fall on Earth has a constant acceleration of approximately:
 - A. 10 m/s²
 - B. 0 m/s²
 - C. 8 m/s²
 - D. 20 m/s²
8. A ball is dropped on the earth from a certain height in the absence of the air resistance. What is the initial velocity o the ball?
 - A. 8 m/s²
 - B. 0 m/s
 - C. 10 m/s
 - D. 27 m/s²
9. The weight of mass 12 kg is
 - A. 100 N
 - B. 88 N
 - C. 120 N
 - D. 38 N
10. If your weight on earth is 800 N. what is your mass on the earth?
 - A. 800 kg
 - B. 40 kg
 - C. 60 kg
 - D. 80 kg