Name:		
Date Started:	Date Completed: _	Score:



Learning Activity Sheet Inertia

THE GA
I. Directions : Read and analyze each question carefully. Choose the letter of the correct answer. Write your answer in the space provided.
1. Which of the following does NOT involve the law of inertia?
A. accelerating car
B. box at rest
C. table with zero net force
D. ball with constant velocity
2. Which of the following masses has the greatest inertia?
A. 2 kg
B. 3 kg
C. 4 kg
D. 5 kg
3. Which of the following causes an object to change its state of motion?
A. friction
B. gravity
C. unbalanced force
D. contact force
4. Which quantity is the measure of the object's mass?
A. acceleration
B. inertia
C. velocity
D. none of these
5. If the same force is applied to an object with a large mass, what happens to the acceleration of the object?
A. It decreases.
B. It increases.
C. It remains the same.
D. It is equal to the mass.
II. Direction. Write True if the statement is correct and False if it is not.
1. Inertia is the measure of an object's resistance to changes in its state of motion or rest.
2. If acceleration is zero, then the forces are balanced
3. The inertia of an object is measured by its acceleration
4. Sir Isaac Newton formulated the law of inertia
5. The law of inertia is also a cause-and-effect relationship between an observed changed in motion and the presence of an unbalanced or net force.