

Name \_\_\_\_\_ Period \_\_\_\_\_

### Momentum Quiz 3

Complete the table

Quantity	Symbol	Metric Unit
distance		
time		
velocity (speed, change in position, motion)		
acceleration (change in motion)		
mass (inertia)		
acceleration of gravity		
Force		
weight (force of gravity)		
momentum		
impulse		

A 63 kg wagon is going 2.3 m/s. A force of 8.0 N (brakes) is applied to the wagon to stop it.

1. What is the mass?
2. What is the weight?
3. What is the momentum before the brakes are applied?
4. What is the impulse used to stop the wagon?