

Name - \_\_\_\_\_

Start time - \_\_ : \_\_

End time - \_\_ : \_\_

Define inertia and explain how it relates to Newton's first law of motion.

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Identify three forces encountered in daily life.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Explain how friction affects the motion of objects in activities like walking or driving.

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If an object with a mass of 10 kg experiences an acceleration of  $5 \text{ m/s}^2$ , calculate the force acting on it.