Name:

Addison Cuevas

Date:

08-12-2022

#### Student Exploration: Measuring Motion

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

Vocabulary: distance, speed

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

The **speed** of an animal is how fast it is moving. A speed of 6 m/s (meters per second) means that the animal moves a **distance** of 6 meters every second.

1. How would you measure the speed of an animal?

Simply dividing the distance traveled by the time it took the animal to move.

2. What do you think are the fastest animals?

I believe that a peregrine falcon is the quickest animal.

#### Gizmo Warm-up

You have been sent on an African safari by International Geography magazine. Your assignment is to find the fastest land animals in the world. Your only tool is a video camera.

The safari is shown in the Measuring Motion Gizmo.

- On the SAFARI ADVENTURE tab, wait for an animal to pass by. Press the record button ( ). Press stop ( ) when the animal has passed by.
  - A. Which animal did you record?

A lion

B. Was the animal walking or running?

It was on foot.



- Select the PLAYBACK tab. Practice using some of the different buttons on this tab:
  - Use the Play ( ) button to replay the simulation.
  - Click Rewind ( 44 ) to go back to the beginning.
  - Click Advance frame ( \*! ) to move forward exactly one second at a time.
  - Click Tools at upper left, and drag some arrows ( ) onto the recording to mark the positions of the animals at different times.
  - Use the Time slider to go to a specific time.

# **Measuring Motion Gizmo Answer**

# **A Gutmann**

**Measuring Motion Gizmo Answer:** 

This book delves into Measuring Motion Gizmo Answer. Measuring Motion Gizmo Answer is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and indepth insights into Measuring Motion Gizmo Answer, encompassing both the fundamentals and more intricate discussions.

- 1. The book is structured into several chapters, namely:
  - Chapter 1: Introduction to Measuring Motion Gizmo Answer
  - Chapter 2: Essential Elements of Measuring Motion Gizmo Answer
  - Chapter 3: Measuring Motion Gizmo Answer in Everyday Life
  - Chapter 4: Measuring Motion Gizmo Answer in Specific Contexts
  - ∘ Chapter 5: Conclusion
- 2. In chapter 1, the author will provide an overview of Measuring Motion Gizmo Answer. The first chapter will explore what Measuring Motion Gizmo Answer is, why Measuring Motion Gizmo Answer is vital, and how to effectively learn about Measuring Motion Gizmo Answer.
- 3. In chapter 2, this book will delve into the foundational concepts of Measuring Motion Gizmo Answer. The second chapter will elucidate the essential principles that must be understood to grasp Measuring Motion Gizmo Answer in its entirety.
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- 6. In chapter 5, this book will draw a conclusion about Measuring Motion Gizmo Answer. This chapter will summarize the key points that have been discussed throughout the book.
  - This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Measuring Motion Gizmo Answer.

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