

Ramp Races: Height and Speed Review

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Understanding Motion and Patterns

Name: _____

Date: _____

Answer the following questions based on what you learned about how ramp height affects speed.

1. What happens to objects when they start from a higher ramp?
 - A. They move slower
 - B. They move faster
 - C. They stay still
2. Gravity pulls objects down, increasing their ____ when they roll down a ramp.
3. How does changing the ramp's height affect the speed of the car?

4. According to the lesson, what does God's wisdom reflect?
 - A. Randomness in creation
 - B. Predictable patterns in nature
 - C. Chaos in motion

5. Match the physical concept with its description.

Higher ramp

Increases speed

Gravity

Pulls objects down

6. Why do you think God designed the world with predictable patterns?

7. Proverbs 3:19 teaches us that Yahweh founded the earth by ____ and established the heavens by understanding.

8. What did we observe during the Ramp Race Experiment?

- A. All cars moved at the same speed
- B. Cars moved faster with higher ramps
- C. Cars could not move at all

9. Can you give an example of something else that moves quickly?

10. God's intentional design is seen in how we can measure and predict how ____ will move.

Answer Key

1. They move faster 2. speed 3. Changing the ramp's height makes the car go faster or slower. 4. Predictable patterns in nature 5. Increases speed 6. God wanted us to understand how things work and to see His wisdom in creation. 7. wisdom 8. Cars moved faster with higher ramps 9. A basketball rolls quickly down a slope or a car travels fast on a road. 10. objects