

SECTION 2

Reinforcement

Gravity

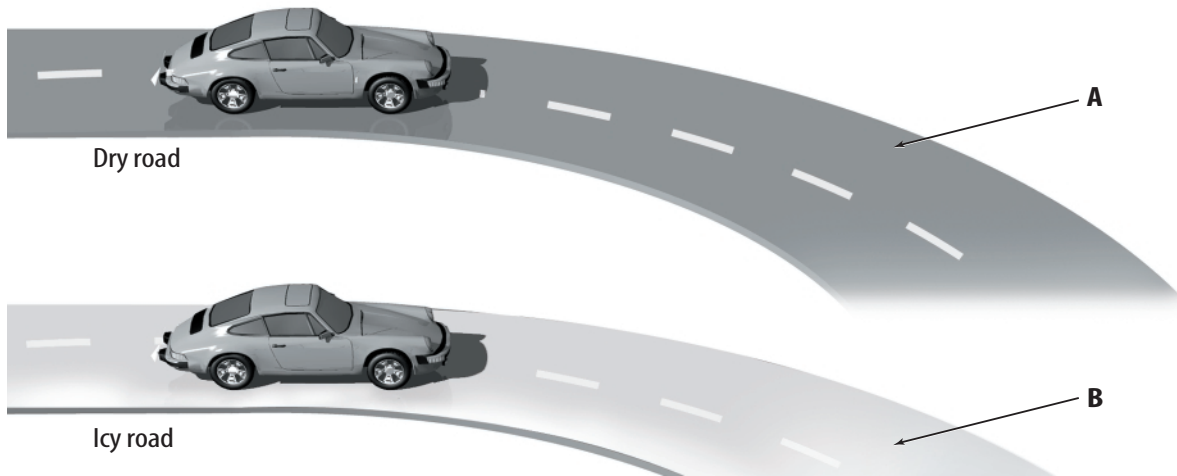
Directions: Answer the following questions on the lines provided.

1. What is gravity? _____
2. What are two things that the amount of gravitational force between two objects depends on?

3. Why does Earth exert a stronger gravitational force than the Moon?

4. If an object weighs 40 N on Earth, would it weigh more than 40 N on the Moon? Explain.

Directions: Use the diagrams below to complete the following questions.



5. What is the centripetal force that allows a car to move around a sharp curve in a roadway?

6. Draw an arrow on the bottom diagram to show the movement of the car if the centripetal force of the road and car is not enough to overcome the car's inertia when it reaches point B.
7. Explain how you know the car is accelerating when it reaches point A in the first diagram.

