

Name: _____

Content Check

Read and answer the questions below.

1. Fill in the blanks in the sentences using the words "more" or "less".

A car moving at 100 miles per hour will have _____ energy than a car moving at 50 miles per hour.

A car moving at 20 miles per hour will have _____ energy than a moving at 30 miles per hour.

2. What might happen to a car if another car hits it going only 10 miles per hour? Make sure to relate it to how much energy the car will have.

3. Why is it important for cars to have airbags?

Content Check

Teacher Key

1. Fill in the blanks in the sentences.

A car moving at 100 miles per hour will have more energy than a car moving at 50 miles per hour.

A car moving at 20 miles per hour will have less energy than a moving at 30 miles per hour.

2. What might happen to a car if another car hits it going only 10 miles per hour? Make sure to relate it to how much energy the car will have.

The car may only get a scratch or a small dent because a car going 10 miles per hour does not have a lot of energy to do a lot of damage.

3. Why is it important for cars to have airbags?

Answers will vary. In a high-speed accident, there is a lot of energy in a crash. The airbags help keep people safe from absorbing all the energy of the accident.