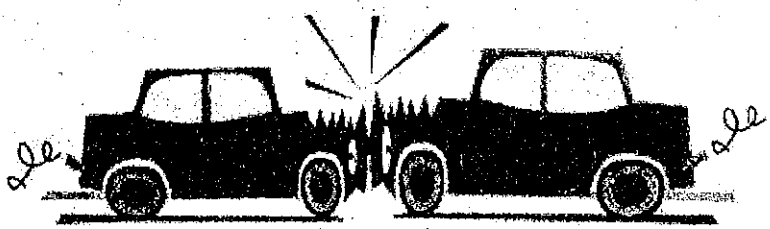
Understanding Car Crashes: Its Basic Physics

1. What causes the dummy to fall off the back of the truck and a person to need a seatbelt?

2. Why does a solid wall cause more damage to an egg than a hung-up sheet?

3. A 4,000 pound SUV collides with a 2,000 pound sedan. In which vehicle would the driver more likely be injured? Why?

4. How did your egg drop design utilize the concepts of impulse and momentum? How did you slow your egg down over a longer period of time?



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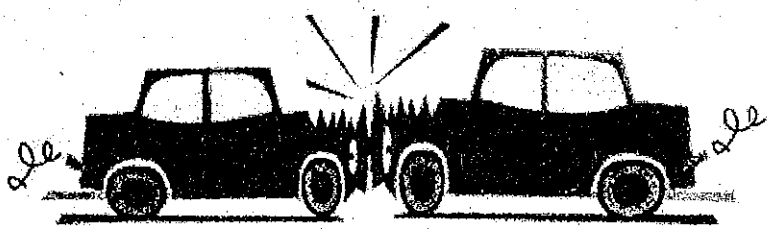

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