

BUMPER CARS



1. What happens in a collision to each car when:
 - a. one bumper car is not moving?
 - b. a rear-end collision takes place?
 - c. a head-on collision takes place?
 - d. bumper car hits a stationary object, i.e. the wall?
 - e. cars sideswipe each other?

2. What is the difference between two pieces of clay that collide and two marbles that collide? Do bumper cars behave more like clay or marbles?

3. When will a driver:
 - a. feel the strongest jolt?
 - b. be thrown forward?
 - c. be thrown backward?
 - d. be accelerated?