ELASTIC VS INELASTIC COLLISIONS

Complete the table below.

Collision between gas molecules

Two billiard balls, assuming no energy is converted to heat and sound

A cannon firing a cannon ball

A bicycle colliding with a pole

Two meteors colliding and sticking together after impact

COLLISION	ELASTIC		INELASTIC	
FACTOR	CONSERVED	NOT CONSERVED	CONSERVED	NOT CONSERVED
TOTAL MOMENTUM				
TOTAL ENERGY				
TOTAL KINETIC ENERGY				
RELATIVE SPEEDS				
EXAMPLES				

LIVEWORKSHEETS