

C o l l i s i o n s S c i e n c e L a b

Drag and drop the vocabulary word to the matching definition.

	The movement of energy from one object to another
	How much of an object there is
	The meeting of a moving object with another object
	The energy from the motion of an object
	How fast an object is moving

KINETIC ENERGY

COLLISION

MASS

ENERGY TRANSFER

SPEED

How does the mass and the speed of coins affect the energy of a collision? Make a prediction, then record your results in the table below. When you are finished explain whether your prediction was correct in the box below the table.

Movement of coins	Small Coin	Medium Coin	Large Coin
# of coins left in the dark blue circle			
# of coins in the light blue circle			
# of coins outside the circles			
# of coins left in the dark blue circle			
# of coins in the light blue circle			
# of coins outside the circles			
# of coins left in the dark blue circle			
# of coins in the light blue circle			
# of coins outside the circles			

. Was your prediction correct? Explain how the energy was transferred between the coins using your science vocabulary.