

# Energy 3-in-a-Row: Purple Group Scorecard

Fill out your scorecard:

- **Action:** Record the Action Card you played.
- **Average KE (your object):** Divide the total KE by the number of molecules in your object (4).
- **Average KE (partner's object):** Divide the total KE by the number of molecules in your partner's object (4).

Turn	Action	Average KE (your object)	Average KE (partner's object)
start	<i>started the game</i>	<i>2kJ</i>	<i>2kJ</i>
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

# Energy 3-in-a-Row: Green Group Scorecard

First, move your object into contact with the middle object. Next, move the energy cubes between the objects in contact so that they reach equilibrium. Last, fill out your scorecard:

- **Transfer:** Check whether you transferred energy cubes to or from your object. Then, record how many energy cubes you transferred to or from your object.
- **Average KE (your object):** Divide the total KE by the number of molecules in your object (4).
- **Average KE (middle object):** Divide the total KE by the number of molecules in the middle object (4).

Turn	Transfer (circle TO or FROM to record energy transfer)	Average KE of your object	Average KE of middle object
start	<i>started the game</i>	<i>2kJ</i>	<i>2kJ</i>
1	<input type="checkbox"/> TO / FROM your object		
2	<input type="checkbox"/> TO / FROM your object		
3	<input type="checkbox"/> TO / FROM your object		
4	<input type="checkbox"/> TO / FROM your object		
5	<input type="checkbox"/> TO / FROM your object		
6	<input type="checkbox"/> TO / FROM your object		
7	<input type="checkbox"/> TO / FROM your object		
8	<input type="checkbox"/> TO / FROM your object		
9	<input type="checkbox"/> TO / FROM your object		
10	<input type="checkbox"/> TO / FROM your object		

# Energy 3-in-a-Row: Blue Group Scorecard

First, move your object into contact with the middle object (or your partner's object if indicated by the Star Card). Next, move the energy cubes between the objects in contact so that they reach equilibrium. Last, fill out your scorecard:

- **Transfer:** Check whether you transferred energy cubes to or from your object. Then, record how many energy cubes you transferred to or from your object.
- **Average KE (your object):** Divide the total KE by the number of molecules in your object (4).
- **Average KE (middle object or partner's object):** Divide the total KE by the number of molecules in the middle object or your partner's object if you played on it (4).

Turn	Transfer (circle TO or FROM to record energy transfer)	Average KE of your object	Average KE of middle object or your partner's object
start	<i>started the game</i>	<i>2kJ</i>	<i>2kJ</i>
1	<input type="checkbox"/> TO / FROM your object		
2	<input type="checkbox"/> TO / FROM your object		
3	<input type="checkbox"/> TO / FROM your object		
4	<input type="checkbox"/> TO / FROM your object		
5	<input type="checkbox"/> TO / FROM your object		
6	<input type="checkbox"/> TO / FROM your object		
7	<input type="checkbox"/> TO / FROM your object		
8	<input type="checkbox"/> TO / FROM your object		
9	<input type="checkbox"/> TO / FROM your object		
10	<input type="checkbox"/> TO / FROM your object		