Name:	Partner:	Teacher:	**Physiology**

PHYSIOLOGY OF AMUSEMENT PARK RIDES

For each of the rides listed below, measure your pulse rate and breathing rate before and after the ride. Indicate any symptoms that you had by placing numbers of those appropriate from the list below.

Symptoms:

1. dry mouth
2. dizziness
3. tense muscles
4. unable to move
5. cold hands/feet
6. enlarged eye pupils
7. trembling
8. sweaty hands
9. upset stomach
10. fast breathing
11. stomach butterflies
12. other

Ride	**Pulse Rate**		**Breathing**		**Symptoms**	
	before	*after*	*before*	*after*	*before*	*after*
Screamin' Eagle						
Highland Fling						
Grand Ole Carousel						
Ninja						
The Joker, Inc.						
Rush Street Flyer						
Batman						
Mr. Freeze						
The Boss						

Physiology of Amusement Park Rides

1. Amusement park rides are designed to give the illusion of danger and speed. Which rides, based on the symptoms that you experienced, seem to give the greatest illusion?

2. Based on your observations, how could an amusement park design a ride to give a greater illusion of speed and danger? Describe a ride that you would design for this purpose.