

Order or Disorder

Name: _____

Date: _____ Per: _____

1. In your own words, define the following:

a. Order: _____

b. Disorder: _____

2. For each of the events listed below, decide if they are situations that create order or disorder.

Event	Order or Disorder?
Cleaning your room	
Glass shattering	
Putting together a jigsaw puzzle	
Spilling a glass of milk	
Building a brick wall from a pile of bricks	
Leaves being scattered by the wind	

3. Of the events in the table from #2, which are the easiest to do?

4. Do the events you listed in #2 create order or disorder?

5. Make a general statement about the relationship between how easy something is to do and the order or disorder it creates.

6. Now think about creating order or disorder among molecules. For each of the events below, decide if order or disorder is being created among the molecules.

Event	Order or Disorder?
Ice Melting	
Salt dissolving in water	
Alcohol evaporating	
Water freezing	
Two elements reacting to form a compound	
Dry ice subliming	
Crystals forming in a solution	
A compound decomposing into its elements	