

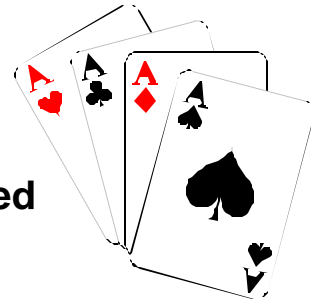
Examples of Transition from Order to Disorder

1) Diving into swimming pool



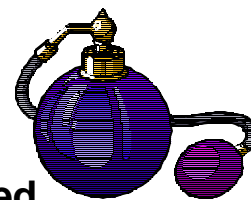
- Water goes from semi-ordered to greatly disordered
- Entropically favored direction
- Why can't reverse happen?
 - water order and eject swimmer?

2) Throwing playing cards



- Cards go from ordered to disordered
- Takes energy to order the cards
- Why can't cards land straight and in order?

3) Diffusion of substances



- Molecules go from ordered to disordered
- No energy required to diffuse
- Why can't the molecules just stay put?