

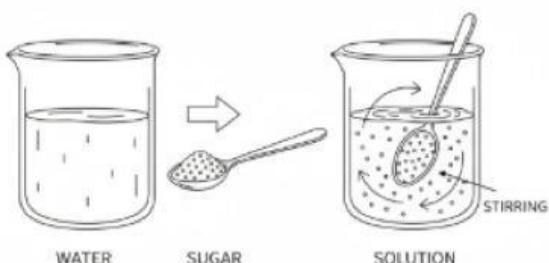
## 2.3 Prop & Changes of Matter

### Activity 6: Conservation of Matter

Complete the Law of Conservation of Matter:

1. Matter cannot be \_\_\_\_\_ or \_\_\_\_\_, it can only be \_\_\_\_\_.

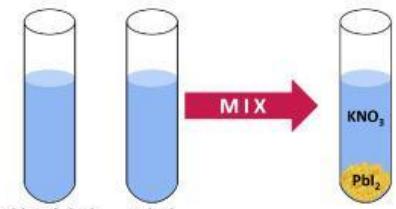
Kind of Change:



Start: 100g water + 25g sugar

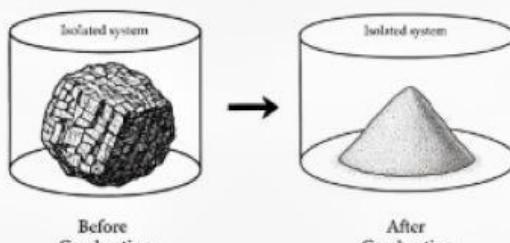
End: \_\_\_\_\_

Kind of Change:



Start: 100g + 100g

End: \_\_\_\_\_



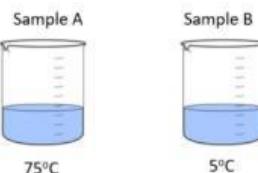
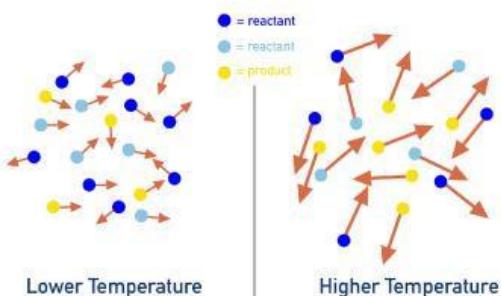
Start: 500g coal

End: \_\_\_\_\_

2. The mass of the \_\_\_\_\_ (or things you start with) is always equal to the mass of the \_\_\_\_\_ (or things you have at the end)

### Activity 7: Temperature and Reaction Rates

Circle the temperature where the particles move faster:



1. In which sample would Alka Seltzer dissolve faster?
2. In which sample would sugar dissolve slower?
3. In which sample would a glow stick last longer?