

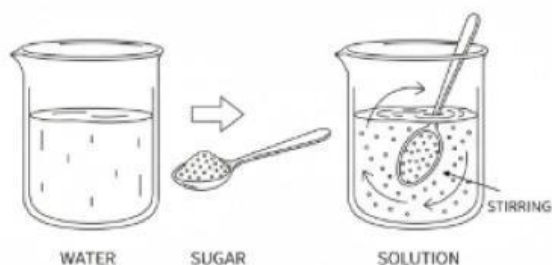
## 2.3 Prop & Changes of Matter

### Activity 6: Conservation of Matter

Complete the Law of Conservation of Matter:

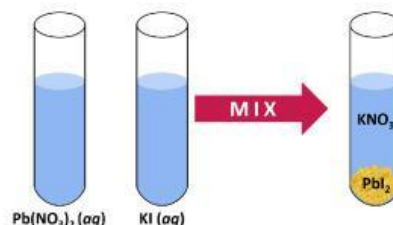
1. Matter cannot be \_\_\_\_\_ or \_\_\_\_\_, it can only be \_\_\_\_\_.

Kind of Change:

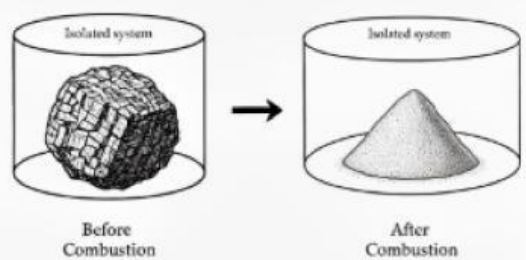


Start: 100g water+ 25g sugar      End: \_\_\_\_\_

Kind of Change:



Start: 100g + 100g      End: \_\_\_\_\_

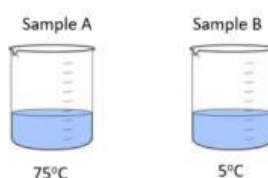
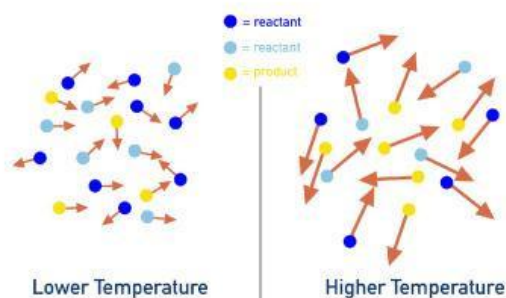


Start: 500g coal      End: \_\_\_\_\_

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:



- In which sample would Alka Seltzer dissolve faster?
- In which sample would sugar dissolve slower?
- In which sample would a glow stick last longer?