1. Give the scientific word for the following phase changes.
2. \_\_\_\_melting\_\_\_\_\_\_\_\_\_ ice 🡪 water
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ water 🡪 gas
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ water 🡪 ice
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iodine gas 🡪 iodine crystals
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iodine crystals 🡪 iodine gas
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rain clouds 🡪 rain
8. Classify the following reactions as a physical change or chemical change.

|  |  |  |
| --- | --- | --- |
|  | Physical | Chemical |
| 1. You mix two liquids together. You notice that it begins to smell sour.
 |  |  |
| 1. You mix yellow and blue paint together to make green paint.
 |  |  |
| 1. A fire destroys a house.
 |  |  |
| 1. You mix two yellow liquids together and the resulting solution is black.
 |  |  |
| 1. You mix two clear liquids together and the resulting solution looks like milk.
 |  |  |

1. Classify the following reactions as endothermic or exothermic.

|  |  |  |
| --- | --- | --- |
|  | Endothermic | Exothermic |
| 1. Sublimation
 |  |  |
| 1. Freezing
 |  |  |
| 1. Melting
 |  |  |
| 1. Nuclear power
 |  |  |
| 1. You mix two solids together in a beaker and the beaker becomes cold.
 |  |  |
| 1. You mix two liquids together in a beaker and the beaker gets brighter.
 |  |  |