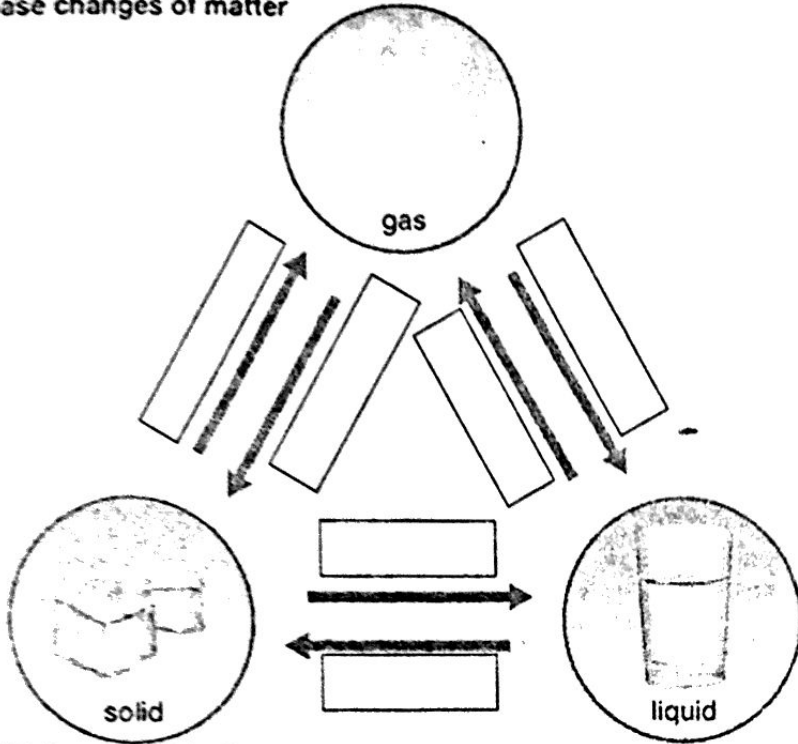


# PHASE CHANGES

Name \_\_\_\_\_

Phase changes of matter



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## Step 2

Fill in the blanks in the box below.

In the diagram to the left, the phase changes from a solid to liquid because \_\_\_\_\_ is added making the \_\_\_\_\_ move faster.

The phase changes from a liquid to a gas because \_\_\_\_\_ is added making the \_\_\_\_\_ move \_\_\_\_\_ and spread farther apart.

The phase changes from a gas to a liquid because \_\_\_\_\_ is removed causing the \_\_\_\_\_ to move slower and closer together.

## Step 1

In the phase change diagram above place the terms into their proper box.

| Term         | Definition  |
|--------------|---|
| Evaporation  | Phase change when a liquid becomes a gas                            |
| Condensation | Phase change when a gas becomes a liquid                            |
| Melting      | Phase change when a solid becomes a liquid                          |
| Freezing     | Phase change when a liquid becomes a solid                          |
| Sublimation  | Phase change when a solid becomes a gas (skipping the liquid state) |
| Deposition   | Phase change when a gas becomes a solid (skipping the liquid state) |

## Step 3

In the boxes below draw circles ○ to represent atoms and their movement in each phase.

| Solid | Liquid | Gas |
|-------|--------|-----|
|       |        |     |