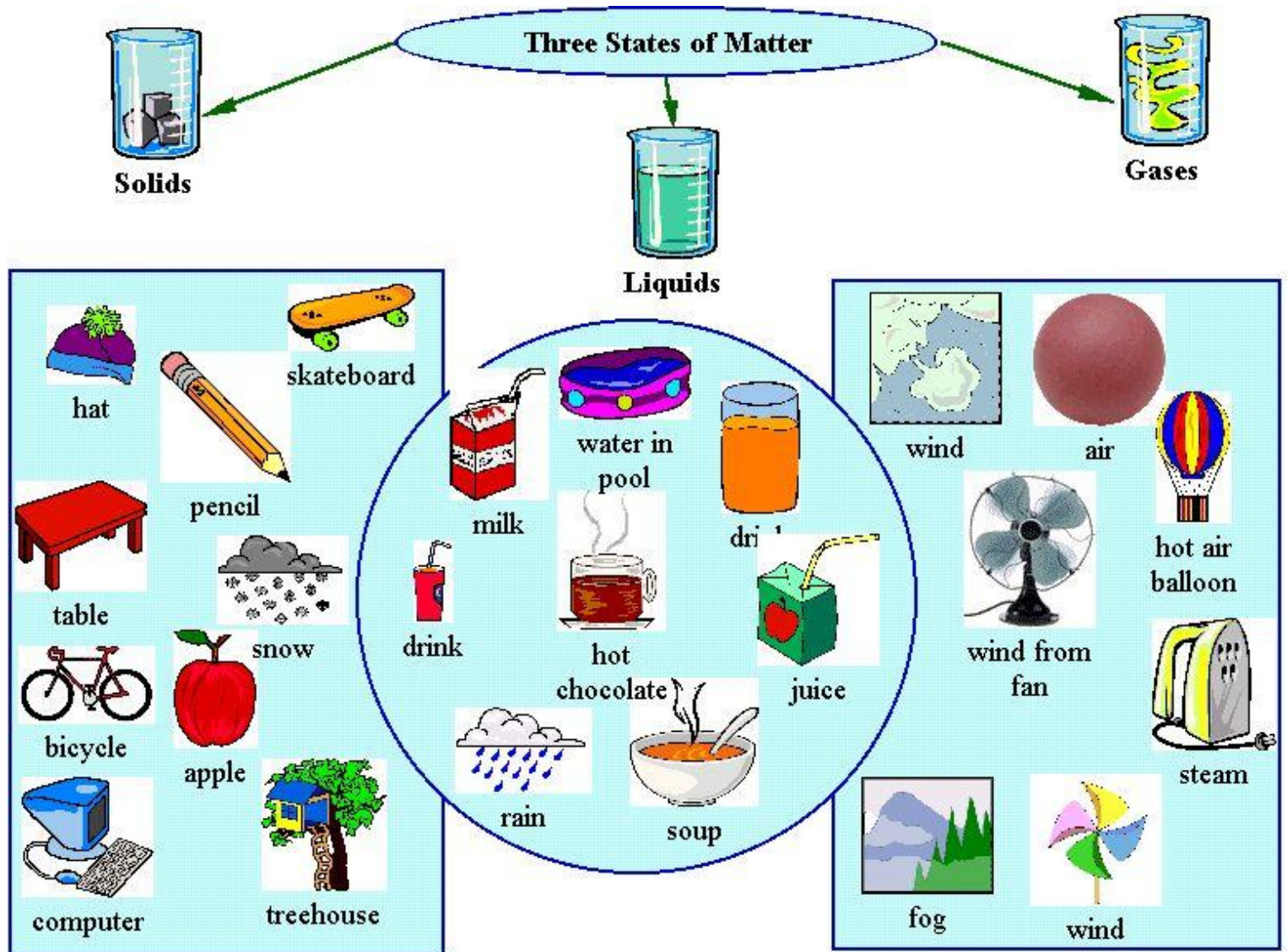


Classroom Norms:

Give thoughtful feedback
Respect others & their thoughts
On task all the time
Use soft voices
Participate actively
Stay with your group

Physical Changes of Matter



Physical Changes of Matter

□ **Grade level** : 11th

□ **Standard:** 4 NYS Core Curriculum (Physical Setting)

□ **Key Idea3:**

Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity

- (Distinguish between Physical and Chemical Change)

- **Aim:** Get Students Familiarize with Physical Changes of Matter

Objectives:



- ❖ Student will be able to define the term physical changes
- ❖ Students will be able to determine Matter is neither created nor destroyed during physical changes

Do Now: 2-3 min

Manipulate the Play Dough into different Shapes Such as Ball, Cubes, Triangle or any shapes you want to make



Observe, What Changes do you see?

Any New Substance formed?

Physical Changes of Matter

- Physical change is a change of state (**solid to liquid, liquid to gas**)
- Physical changes can affect the **size or shape** of a substance
- A physical change does not produce a **new substance**
- Physical Changes can be classified as **reversible** or **Irreversible**

Physical Changes can be classified as **reversible**

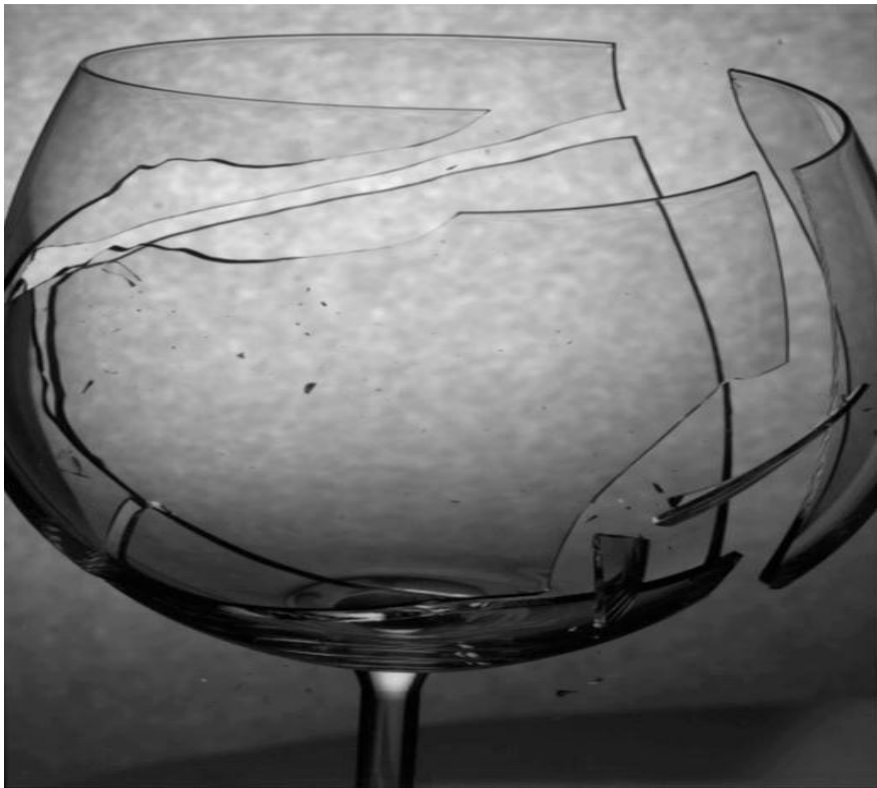
□ Example

- Melting of ice is an example of **reversible** physical change
- Evaporation of Water is **reversible**



Physical Change as **Irreversible**

Words such as break ,split ,cut , and crush are used to describe **irreversible** physical change



Activity: Mini Lesson (7min)

- Group of 4 or 5
- Identify the given item as Physical Changes or No, Justify your Answers!!!!

Physical Changes Worksheet

(Group Work) 5-7 min

- Identify the following as a Physical Change or NO (give Explanation)
- Class Discussion

Exit Slip:

- ❖ List 3 examples of Physical Changes around you