

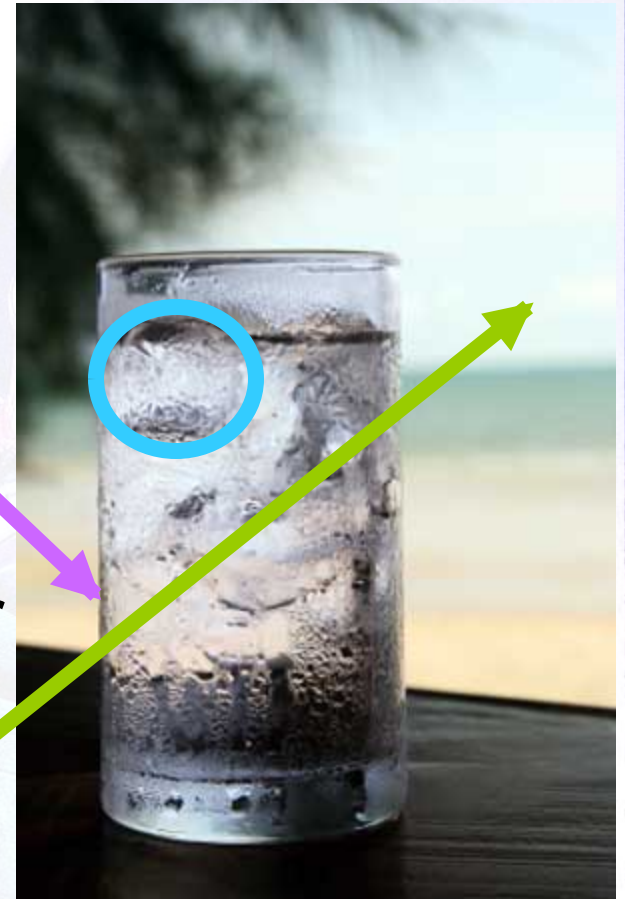
The background of the slide features a collection of chemistry glassware. There are several Erlenmeyer flasks containing liquids of different colors: yellow, orange, and blue. A glass dropper or pipette is positioned over one of the flasks. The entire scene is set against a light, textured background.

# Matter

## The States of Matter

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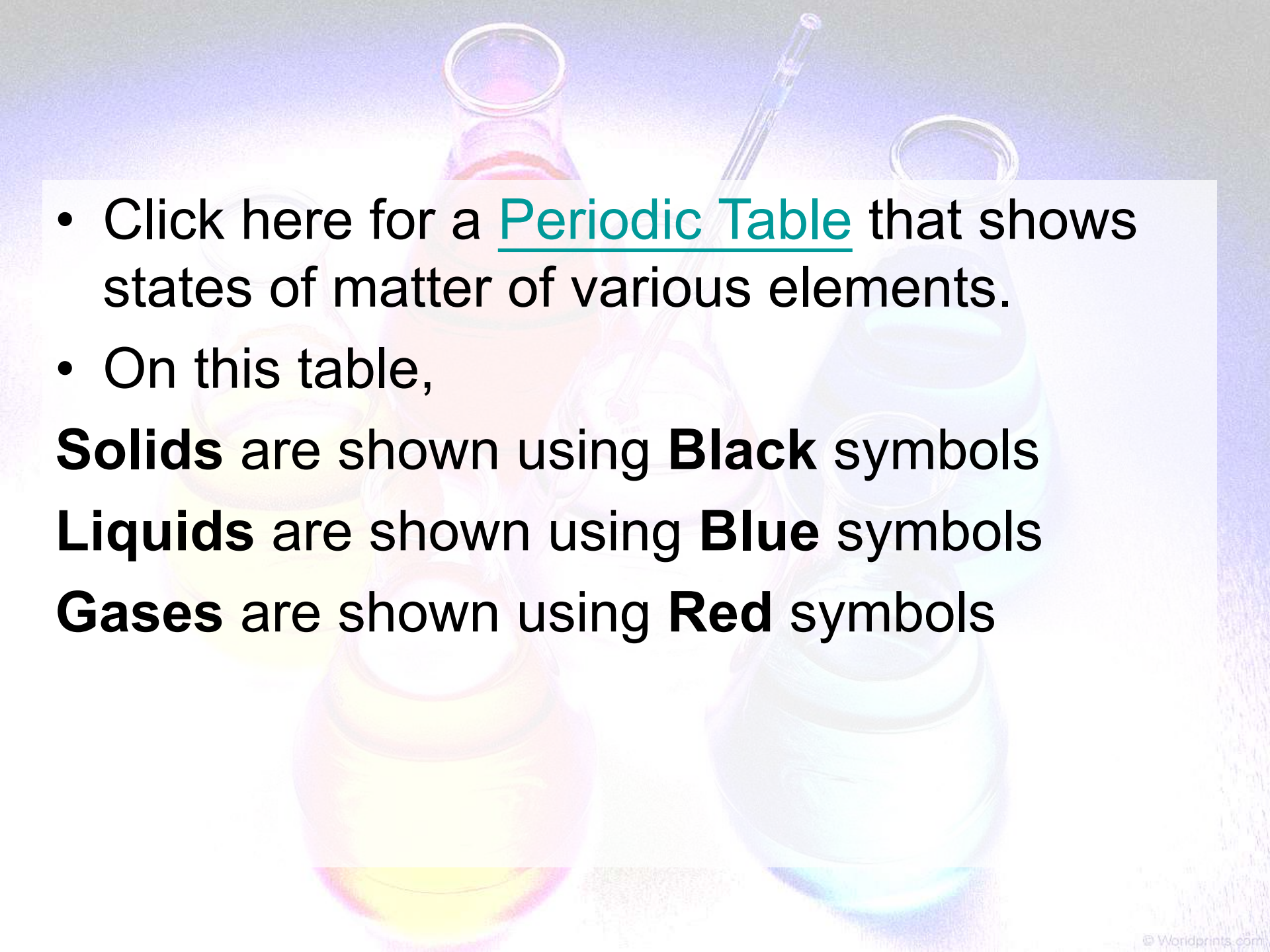
- Water has three states: solid, liquid, and gas.
  - If you lower the temperature of liquid water, it freezes to form ice (solid water).
  - If you heat the liquid water to its boiling point, it escapes into the air as water vapor (a gas).





# The States of Matter

- All substances exist in the 3 states matter:
- **Solid** → substance with a fixed shape and volume; rigid.
  - **Liquid** → substance with a definite volume that takes the shape of its container.
  - **Gas** → substance with no definite shape or volume; uniformly fills any container.
  - [http://www.harcourtschool.com/activity/states\\_of\\_matter/](http://www.harcourtschool.com/activity/states_of_matter/)

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- Click here for a [Periodic Table](#) that shows states of matter of various elements.
  - On this table,  
**Solids** are shown using **Black** symbols  
**Liquids** are shown using **Blue** symbols  
**Gases** are shown using **Red** symbols



- The End

