

Study Guide

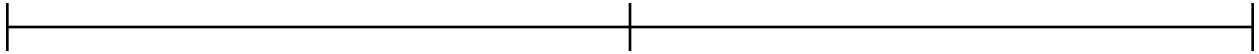
- Three **states of matter** with examples of each
- Explain the difference between **heterogeneous** and **homogeneous mixtures**
- Name and explain 4 different ways to **separate mixtures of solids**

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- Explain how and why liquids will layer because of **density**. Also explain what density is.
- Explain the difference between a **solution** and a **suspension**

- Name and explain each step of the **Scientific Method**
- Know the difference between **controlled** and **manipulated** variables
- Explain what **surface tension** is and how **cohesive forces** vary among liquids
- Explain what **Acids** and **Bases** are and give examples of each

- Explain what the **pH Scale** is, how it works and how we test the pH of liquids



- Name and explain what **reversible and irreversible changes**

- There are 4 ways that tell us an Irreversible Change has happened. Name and explain why each means an irreversible change took place.

Vocabulary

Write the words that are important for me to know for this unit.