

Unit 5: Ch 3 – Physical/Chemical Properties & Changes & Density

PHYSICAL PROPERTIES & CHANGES:

➤ PHYSICAL PROPERTIES:

○ Qualities observed _____ changing the _____
(chemical identity of the substance).

○ **BUZZ/KEY WORDS:**

- _____
- _____
- _____
- _____
- _____

➤ PHYSICAL CHANGES: Indicators of a PHYSICAL change

○ Physical _____ changes _____.

○ Usually a _____ process.

○ **BUZZ/KEY WORDS:**

- _____
- _____
- _____
- _____

CHEMICAL PROPERTIES & CHANGES:

➤ CHEMICAL PROPERTIES:

○ Chemical _____ required and changes _____
and is often _____.

○ **BUZZ/KEY WORDS:**

- _____
- _____
- _____
- _____

➤ **CHEMICAL CHANGES: Indicators of a CHEMICAL change**

- A _____ substance is produced.
- Heat energy is _____ or _____.

○ **BUZZ/KEY WORDS:**

- _____
- _____
- _____

PHYSICAL/CHEMICAL CHANGES PRACTICE:

- | | |
|----------------------------|---------------------------------|
| 1. Glass breaking → _____ | 6. Mixing oil and water → _____ |
| 2. Rusting bicycle → _____ | 7. Fireworks explode → _____ |
| 3. Melting butter → _____ | 8. Cutting grass → _____ |
| 4. Bleaching hair → _____ | 9. Baking a cake → _____ |
| 5. Frying an egg → _____ | |

DENSITY: A PHYSICAL PROPERTY

➤ **DEFINITION** –

- **Formula:** _____ **Unit:** _____
- **Conversion Factor:** _____
- Used to _____ a substance.