

WORKSHEET ON CHEMICAL AND PHYSICAL PROPERTIES AND CHANGES

YOU ARE GIVEN THREE DEFINITIONS

Physical Property: characteristics of a pure substance that can be observed without changing the substance.

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Physical Change: any changes that occur to substance without changing its chemical composition.

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Chemical Property: ability to combine with or change into a different substance.

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Chemical Change: when one substance changes into another substance.

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Part One: Physical vs Chemical Property? Fill in the chart using the vocabulary words as phrases provided.

Vocabulary words

Boiling point

ability to react

Melting point

Reactivity

Reactivity with oxygen

Elasticity

Flammability

Density

Transparency

Hardness

Rank words in usefulness. Define all words.

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|------------------------|---|
| Chemical Property | Definition |
| Flammability | • How ability to burn |
| Ability to react | • Reacts with oxygen to produce rust |
| Reactivity with oxygen | • Reaction of any substance with oxygen |
| Physical Property | Definition |