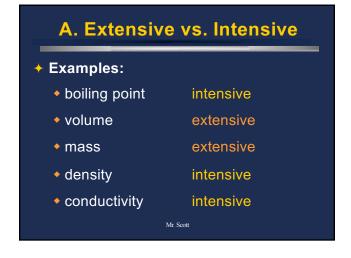


A. Extensive vs. Intensive * Extensive Property * depends on the amount of matter present * Intensive Property * depends on the identity of substance, not the amount



Physical vs. Chemical Physical Property can be observed without changing the identity of the substance Chemical Property describes the ability of a substance to undergo changes in identity

B. Physical vs. Chemical + Examples: • melting point physical • flammable chemical • density physical • magnetic physical • tarnishes in air chemical

B. Physical vs. Chemical

- → Physical Change
 - changes the form of a substance without changing its identity
 - properties remain the same
- ◆ Chemical Change
 - changes the identity of a substance
 - products have different properties

B. Physical vs. Chemical Signs of a Chemical Change change in color or odor formation of a gas formation of a precipitate (solid) change in light or heat

B. Physical vs. Chemical * Examples: • rusting iron chemical • dissolving in water physical • burning a log chemical • melting ice physical • grinding spices physical