Assessment/02

Which of the following is a physical change?

a) A piece of paper burns.

b) An apple ripens.

c) Gasoline is changed into carbon dioxide and water.

d) Heat causes ice to change into water vapor.

e) Sugar is digested.

Which of the following is <u>NOT</u> a chemical property?

    a) The density of a liquid

    b) The ability of iron to rust

    c) Flammability of gasoline

    d) Reactivity of acids with metals

    e) All of these are chemical properties.

Which is the opposite of evaporation?

a) Sublimation

b) Deposition

c) Melting

d) Freezing

e) Condensation

Which of the following is <u>true</u> for chemical changes?

    a) They are changes in state.

    b) They form new substances.

    c) They can usually be reversed.

    d) All of the above

Which one of the following choices includes only <u>chemical changes</u>?

     a) Decay, digestion, and burning

     b) Rusting, evaporation, and decay

     c) Melting, freezing, and digestion

     d) Corrosion, sublimation, burning

     e) Melting, evaporation, and sublimation

Which of the following is a physical property?

a) A metal can react with acids.

b) Paper can be burned.

c) Salt crystals have a cube shape.

d) A metal can corrode by combining with oxygen.

e) Sugar can be digested

Physical properties are usually determined by observing how a substance reacts with another one.

a) True

b) False

Which of the following is a physical change?

a) Burning butane

b) Barbequing a steak

c) Decomposing water into hydrogen and oxygen gases

d) Breaking a piece of glass

e) Baking a cake

Which of the following statements is <u>FALSE</u>?

a) The freezing of water is a physical change.

b) The conversion of compounds into elements is a physical change.

c) Combining sodium metal and chlorine gas to form sodium chloride is a chemical change.

d) Photosynthesis is an example of a chemical change.

Boiling point is an example of a

a) physical change.

b) chemical change.

c) quantitative property.

d) physical property.

e) chemical property.