

Physical and Chemical Changes

Read each of the following situations. Describe each of the physical and/or chemical changes that occur in each. Be sure to explain your reasoning for each.

- A. A child leaves an orange popsicle on the steps in the hot sun. Later on, there is a sticky orange spott on the steps.
- B. A 6” high “dripless” candle is burning. A few hours later, it is only 2” high.
- C. A leaky faucet is dripping in the sink. After a few weeks, there is a green stain in the sink.
- D. A man makes ice cubes in his freezer and they expand out of the tray. A few weeks later, they are smaller than they were, and are loose in the tray.
- E. A sugar and water solution is heated and cooled. Crystals form in the jar.
- F. A baker prepares a cake mix and then bakes it. You have a slice for dessert.
- G. An unripe banana turns yellow and then turns brown and very mushy (almost liquid).
- H. You put a slice of bread in the toaster and toast it. You butterit and eat it.
- I. You make ice cream with cream, sugar and vanilla (or chocolate) flavoring.
- J. An artist paints a picture using watercolor paints.

Choose one situation and neatly illustrate all of the physical and/or chemical chages from one to the other (ex. a solid ice cube in one picture and a puddle of water in the second picture would illustrate the physical change of water melting).