

Exercise 1.21

Label each of the following as either a physical process or a chemical process: (a) rusting of a metal can, (b) boiling a cup of water, (c) pulverizing an aspirin, (d) digesting a candy bar, (e) exploding of nitroglycerin.

Solution

- (a) rusting of a metal can - chemical process
- (b) boiling a cup of water - physical process
- (c) pulverizing an aspirin - physical process
- (d) digesting a candy bar - chemical process
- (e) exploding of nitroglycerin - chemical process

In the processes that are chemical, a chemical reaction takes place. In those that are physical, the starting material is still present at the end (just in a different physical state).