

PHYSICAL VS CHEMICAL CHANGES QUESTIONS

1. What is a physical change?
2. What is a chemical change?
3. Give a few examples of both physical and chemical changes.
4. What do these two changes have in common?
 - a. molding clay into the shape of a pot
 - b. water evaporating from a lake
5. What do these two changes have in common?
 - a. a set of silver jewelry tarnishing
 - b. a copper statue turning green

PHYSICAL VS CHEMICAL CHANGES QUESTIONS

Answers

1. What is a physical change?

A physical change is one that only affects a substance physically. This could mean a change in shape or the state of matter. These changes are reversible, and no new substances are formed.

2. What is a chemical change?

A chemical change leads to the formation of a new substance. These changes are irreversible as there aren't any easy ways to return the original substance from the new one.

3. Give a few examples of both physical and chemical changes.

Here are a few notable examples of physical and chemical changes:

- Chopping a banana into several pieces is a physical change, as the banana remains a banana despite being cut into smaller pieces.
- Burning a wood log into ash is a chemical change, as a new substance is formed from which we cannot return to the original substance.
- Mixing Coke and Mentos looks like a chemical change, but since the gas released (carbon dioxide) was present before the Mentos was added, it is, in fact, a physical change.

4. What do these two changes have in common?

- molding clay into the shape of a pot
- water evaporating from a lake

Both of these changes are physical changes.

5. What do these two changes have in common?

- a set of silver jewelry tarnishing
- a copper statue turning green

Both of these changes are chemical changes.