

Physical vs. Chemical Changes

Name: _____
Period: _____
Date: _____

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Site 1: Chemical vs. Physical Change

1. Physical changes are about _____ and states (phases) of matter. _____ changes happen on a _____ level.



2. When you step on a can and crush it:

A. This is a _____ (*chemical change/physical change*).

B. It is a _____ (*chemical change/physical change*)

because _____

3. When you melt an ice cube:



A. This is a _____ (*chemical change/physical change*).

B. It is a _____ (*chemical change/physical change*)

because _____

4. You can cause physical changes with forces like _____, _____, and pressure.

Chemical changes happen on a _____ scale. While some experiments show obvious _____ changes such as a _____ change, most chemical changes happen between _____ and are _____.

When _____ (Fe) rusts you can see it happen over a long period of time. The actual molecules have _____ their _____ (the iron oxidized).

5. Melting a sugar cube:

This is a (*chemical change/physical change*) [Circle One]

Why? _____

6. Burning a sugar cube:

This is a (*chemical change/physical change*) [Circle One]

Why? _____

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Site 2: Chemical Changes

- The explosion of fireworks is an example of _____ change.
- During a chemical change, _____.
Another words, the _____ of the substance _____.
- _____ are relatively easy to identify. If only the _____ of a _____ changes, you have observed a _____.
- A common physical change occurs when matter changes from _____
When an ice cube _____ for example, it becomes liquid water. The _____ and _____ have the same _____. The only difference is the _____.
- List 5 signs of chemical reactions:
 1. _____
 2. _____
 3. _____
 4. _____
 5. _____

Scroll down to "Chemical Reactions" (in purple)

- Chemical Changes are also called _____. Chemical reactions involve _____.
_____ with _____ and _____ physical and chemical properties.
- Matter is _____ or _____ in _____ reactions.
The particles of one substance are _____ to form a _____ substance. The _____ of particles that exist _____ the reaction _____ after the _____.

Site 3: Physical vs. Chemical Changes Quiz

Determine if each question is a physical or chemical change.

Score: ____ / 20