

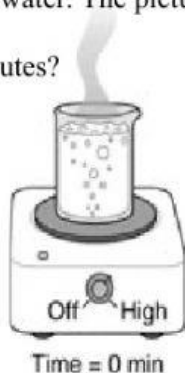
Name: _____

Date: _____

Changes in Matter

I. Read the following questions and circle the correct answer. (1 point each)

- 1) A beaker of water is placed on a hot plate. The picture on the left shows the beaker when bubbles first start forming in the water. The picture on the right shows the beaker 5 minutes later.
What happened during the 5 minutes?



- a) Water was changed into energy during a chemical change.
b) Water was changed into a different state during a physical change.
c) Water was changed into a different material during a physical change.
d) Water was changed into a different material during a chemical change.

- 2) How does cutting a whole pumpkin pie into eight slices affect its mass?

- a) Cutting the pie increases its mass.
b) Cutting the pie decreases its mass.
c) Cutting the pie does not change its mass.
d) Cutting the pie makes its mass equal to its volume.

- 3) The table lists some examples of chemical changes and physical changes. Which example is in the wrong column?

Chemical changes	Physical changes
burning leaves	tearing paper
toasting a bagel	sharpening a pencil
baking a loaf of bread	pouring milk into a glass
crumpling aluminum foil into a ball	freezing water into ice cubes

- a) sharpening a pencil
b) baking a loaf of bread
c) pouring milk into a glass
d) crumpling aluminum foil into a ball

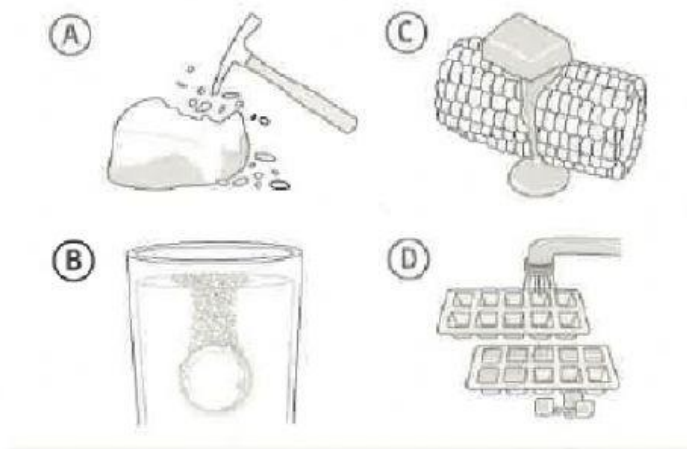
4) Students in a class made a list of activities that involve a chemical change. Which of these changes should be included on the list?

- a) ringing a bell
- b) making ice cubes
- c) picking up rocks
- d) making pancakes

5) Which of the examples below is NOT an indicator of a chemical change?

- a) Change of color
- b) A new smell
- c) Change of state
- d) Release of gas

6) Which of the following physical changes is NOT an example of a change in state?



7) All the following are examples of physical change EXCEPT:

- a) Melting
- b) Evaporating
- c) burning
- d) Freezing

8) Which of the following is an example of a chemical change?

- a) Baking a cake
- b) Freezing water
- c) bending a paper clip
- d) salt in water

2) A piece of iron can change in different ways. List two ways and specify whether the change is chemical or physical. (1 point)

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3) Write whether the sentences below are true or false. Correct the false ones. (1 point each)

- a) In a chemical change, the identity of the matter doesn't change.
- b) When water freezes, it expands.
- c) Cracking an egg into a bowl is an example of a chemical change.

4) Tell whether each change is a physical change or chemical change. (3 points)

