

Name: _____

Date: _____

1. Which is an example of using chemicals and heat to make something?

- A. baking a cake
 - B. making a paper airplane
 - C. building a doghouse
 - D. riding a bike
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2. Which is an example of a chemical change?

- A. paper being burned
 - B. metal being melted
 - C. a board being cut in half
 - D. water being boiled
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3. All of the following can be called matter EXCEPT

- A. ice.
 - B. ideas.
 - C. dust.
 - D. air.
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4. If you dissolved a lot of salt in some water in a large flat dish and put the dish in bright sunlight on a hot day, what would be left in the dish after a long time?

- A. dry salt
 - B. water with no salt
 - C. the same salty water as before
 - D. nothing
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5. Over time, rocks can be changed by many natural forces. One natural force that would be an example of a chemical change would be

- A. sand blown against the rock.
 - B. acid rain reacting with the rock.
 - C. water rushing over the rock.
 - D. freezing water in a crack breaking the rock.
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6.

Use the table below to answer this question.

Mineral	Vinegar Drops Produce Bubbles
limestone	yes
sandstone	probably not
granite	no
gneiss	no

Vinegar is an acid that bubbles when it interacts with calcite. Which mineral contains calcite?

- A. limestone
 - B. sandstone
 - C. granite
 - D. gneiss
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7. Kim puts an ice cube in a beaker and it melts. This is a good example of

- A. a physical change.
 - B. a chemical change.
 - C. an experiment.
 - D. an analysis.
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8. When water in an open pan is heated for a long time, it becomes

- A. a solid.
 - B. a vacuum.
 - C. a gas.
 - D. dew.
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9. A different chemical substance is formed when

- A. a cloth is cut.
 - B. a cup breaks.
 - C. a candle burns.
 - D. a piece of chalk falls apart.
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10. David added a little baking soda to a beaker that contained vinegar. Bubbles started coming from the mixture as a gas was released. The gas was evidence that

- A. the mixture was starting to boil.
- B. the air in the flask contracted.
- C. a chemical reaction took place.
- D. the vinegar and baking soda expanded.

Answer Key

1. A) baking a cake
2. A) paper being burned
3. B) ideas.
4. A) dry salt
5. B) acid rain reacting with the rock.
6. A) limestone
7. A) a physical change.
8. C) a gas.
9. C) a candle burns.
10. C) a chemical reaction took place.