



Name _____ Class _____ Date _____

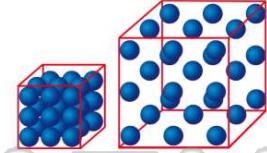
1 The making of **acid rain** from a combination of car exhaust gases and water vapor is a _____ change.

- A chemical
- B physical
- C potential
- D kinetic



2 If a student increases the **volume** of an object without changing the **mass**, the **density** of the object _____.

- A increases
- B decreases
- C stays the same
- D increases then decreases



3 A base can combine with an acid to make salt and water. This is a **chemical property**. True or false?

- A true
- B false



4 When a car burns gas, what is the **energy transformation** that makes the car move?

- A electrical to chemical
- B chemical to light



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- A liter
- B kilogram
- C meter
- D degree



- A liquid to solid
- B solid to liquid
- C liquid to gas
- D solid to gas



9 Light energy is changed to **thermal energy** when _____.

- A car windows are kept closed on a sunny day
- B a flashlight is turned off
- C a refrigerator is turned on
- D a battery is used



10 Which of the following describes a **phase change** of matter?

- A a house is painted
- B an ice cube melts
- C a fan makes the air move
- D a tree is cut down





ANSWER KEY

The making of **acid rain** from a combination of car exhaust gases and water vapor is a _____ change.

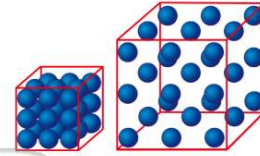
- A** chemical
- B** physical
- C** potential
- D** kinetic



(a)

If a student increases the **volume** of an object without changing the **mass**, the **density** of the object _____.

- A** increases
- B** decreases
- C** stays the same
- D** increases then decreases



(b)

A base can combine with an acid to make salt and water. This is a **chemical property**. True or false?

- A** true
- B** false



(a)

When a car burns gas, what is the **energy transformation** that makes the car move?

- A** electrical to chemical
- B** chemical to light
- C** mechanical to chemical



(d)



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- B** kilogram
- C** meter
- D** degree



- C** liquid to gas
- D** solid to gas



Light energy is changed to **thermal energy** when _____.

- A** car windows are kept closed on a sunny day
- B** a flashlight is turned off
- C** a refrigerator is turned on
- D** a battery is used



(a)

Which of the following describes a **phase change** of matter?

- A** a house is painted
- B** an ice cube melts
- C** a fan makes the air move
- D** a tree is cut down



(b)