

Summary Quiz (Element)

- Which of the following substances is a non-metal?
A. Beryllium
B. Silicon
C. Potassium
D. Phosphorus
- Which of the following substances are compounds?
(1) Quartz (2) Diamond (3) Sodium chloride
A. (1) and (2) only
B. (1) and (3) only
C. (2) and (3) only
D. (1), (2) and (3)
- Which of the following statements concerning a compound is correct?
A. The composition by mass of the constituent elements in a compound is variable.
B. The properties of a compound are entirely different from those of its constituent elements.
C. A compound must be produced from the reaction between a metallic element and a non-metallic element.
D. A compound melts and boils over a wide range of temperatures.
- Which of the following is NOT a mixture?
A. Gold
B. Air
C. Sea water
D. Soft drink
- Which of the following statements concerning a mixture is INCORRECT?
A. The constituent substances in a mixture can be separated by physical methods.
B. Each constituent substance of a mixture retains its own properties.
C. A mixture has a sharp melting point and boiling point.
D. Heat is not usually given out or absorbed in making a mixture.
- Which of the following are the physical properties of water?
(1) Water freezes at 0°C and 1 atmospheric pressure.
(2) Pure water can be broken down into hydrogen and oxygen by electricity.
(3) Water is a colourless liquid at room temperature and pressure.
A. (1) and (2) only
B. (1) and (3) only
C. (2) and (3) only
D. (1), (2) and (3)
- Which of the following is a chemical property of iron?
A. Iron is hard.
B. Iron melts at high temperature.
C. Iron reacts with water and oxygen to form rust.
D. Iron can be drawn into long wire.
- Which of the following substances is an element?
A. Dry ice
B. Coal
C. Sand
D. Copper

9. Which of the following substances is a pure compound?
- | | |
|--------------------|--------------|
| A. Distilled water | B. Graphite |
| C. Sea water | D. Petroleum |
10. Iron(II) sulphide is a compound because
- A. it consists of more than one element.
 - B. the composition by mass of its constituent elements is fixed.
 - C. it reacts with an acid.
 - D. it is non-magnetic.

The End

Suggested Answer

1.	D	6.	B
2.	B	7.	C
3.	B	8.	D
4.	A	9.	A
5.	C	10.	B