

Name: _____

Open Note, closed classmate.

Question 1 (1 point)

Which of the following is a pure substance?

- ☐ A. A pencil
- ☐ B. A nail
- ☐ C. A sheet of notebook paper
- ☐ D. An apple

Question 2 (1 point)

In oxides of nitrogen, such as N_2O , NO , NO_2 , and N_2O_3 , atoms combine in small whole-number ratios. This evidence supports the law of

- ☐ A. conservation of matter.
- ☐ B. multiple proportions.
- ☐ C. definite proportions.
- ☐ D. mass action.

Question 3 (1 point)

Which of the following is heterogeneous?

- ☐ A. Granite
- ☐ B. Aluminum
- ☐ C. Sodium chloride
- ☐ D. Carbon dioxide

Question 4 (1 point)

Which of the following is NOT an element?

- ☐ A. Iron
- ☐ B. Bronze
- ☐ C. Copper
- ☐ D. Tin

Question 5 (1 point)

Which of the following is a metalloid?

- ☐ A. Arsenic
- ☐ B. Sulfur
- ☐ C. Aluminum
- ☐ D. Phosphorus

Question 6 (1 point)

Which of the following is NOT a conserved quantity?

- ☐ A. Mass
- ☐ B. Volume
- ☐ C. Matter
- ☐ D. Energy

Question 7 (1 point)

36 grams of HCl (hydrochloric acid) is reacted with 40. grams of NaOH (sodium hydroxide) to form water and salt. How many grams of products are formed?

- ☐ A. 38 grams
- ☐ B. 4 grams
- ☐ C. 76 grams
- ☐ D. 8.5 grams

Question 8 (1 point)

The two most important properties of all matter are

- ☐ A. the ability to carry an electric current well and to hold electric charge.
- ☐ B. taking up space and having mass.
- ☐ C. being brittle and hard.
- ☐ D. being malleable and ductile.