

## 4 Written questions

1. the pattern of repeating properties displayed by elements in the periodic table

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2. Class of elements that are good conductors of electricity.

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3. Column of the periodic table that contains elements with similar properties.

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4. Class of elements that have some properties of metals and some properties of nonmetals.

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## 4 Matching questions

1. \_\_\_\_ Alkaline earth metals

2. \_\_\_\_ Noble gases

3. \_\_\_\_ Halogens

4. \_\_\_\_ Alkali metals

A. Nonmetal in group 17 of the periodic table that has seven valence electrons and is highly reactive.

B. Nonmetal in group 18 of the periodic table that has eight valence electrons (or two in the case of helium) and is unreactive.

C. Metal in group 2 of the periodic table that has two valence electrons and is very reactive but less so than an alkali metal.

D. Metal in group 1 of the periodic table that has one valence electron and is highly reactive.

## 3 Multiple choice questions

1. ability of matter to combine chemically with other substances

- A. Metalloids
- B. Nonmetals
- C. Reactivity
- D. Metals

2. Row of the periodic table that contains elements ranging from metals on the left to metalloids and then nonmetals on the right.

- A. Noble gases
- B. Period
- C. Group
- D. Periodic Law

3. SI unit for the mass of an atom, where 1 amu = the mass of a proton (about  $1.7 \times 10^{-24}$  g).

- A. Periodic table
- B. Metalloids
- C. Atomic mass unit
- D. Transition metals

## 3 True/False questions

1. Metal in groups 3 to 12 of the periodic table that is hard and shiny and less reactive than metals in groups 1 and 2. → Transition metals

- ☐ True
- ☐ False

2. Table of elements arranged by increasing atomic number (modern periodic table) or by increasing atomic mass (Mendeleev's periodic table). → Periodic table

- ☐ True
- ☐ False

3. Class of elements that do not conduct electricity. → Metals

- ☐ True
- ☐ False

