

# Chemistry Periodic Table

① Define a family.

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② What is a period?

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③ What are the symbols for the following elements?

(a) Magnesium \_\_\_\_\_

(b) Potassium \_\_\_\_\_

(c) Iron \_\_\_\_\_

(d) Copper \_\_\_\_\_

④ What are the names of the following elements?

(a) C \_\_\_\_\_

(b) Cl \_\_\_\_\_

(c) Au \_\_\_\_\_

(d) Sr \_\_\_\_\_

⑤ The number of protons in an atom is that element's \_\_\_\_\_

⑥ The number of protons and neutrons in an atom is that atom's

\_\_\_\_\_

⑦ The ability of a material to be drawn into a thin wire is called \_\_\_\_\_

⑧ The ability of a material to be pounded into thin sheets is called

\_\_\_\_\_

⑨ For each of the following, label it as metal, nonmetal, and metalloid.

(a) Ductile \_\_\_\_\_

(e) Cobalt \_\_\_\_\_

(b) Chlorine \_\_\_\_\_

(f) Brittle \_\_\_\_\_

(c) Semiconductor \_\_\_\_\_

(g) Oxygen \_\_\_\_\_

(d) Malleable \_\_\_\_\_

(h) Good conductor of heat \_\_\_\_\_

# Chemistry Periodic Table

## Answers

① Define a family.

A group of elements arranged vertically in a column that have similar properties.

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② What is a period?

A row of elements having the same number of electron shells.

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③ What are the symbols for the following elements?

(a) Magnesium Mg

(b) Potassium K

(c) Iron Fe

(d) Copper Cu

④ What are the names of the following elements?

(a) C Carbon

(b) Cl Chlorine

(c) Au Gold

(d) Sr Strontium

⑤ The number of protons in an atom is that element's atomic number

⑥ The number of protons and neutrons in an atom is that atom's mass number

⑦ The ability of a material to be drawn into a thin wire is called ductility

⑧ The ability of a material to be pounded into thin sheets is called malleability

⑨ For each of the following, label it as metal, nonmetal, and metalloid.

(a) Ductile Metal

(e) Cobalt Metal

(b) Chlorine Nonmetal

(f) Brittle Metalloid

(c) Semiconductor Metalloid

(g) Oxygen Nonmetal

(d) Malleable Metal

(h) Good conductor of heat Metal