عرض جميع الأسئلة عرض التغذية الراجعة عرض المعلومات المساعدة

السؤال 1

Select the best answers.

What information does the periodic table give about each element?

- [x] its atomic number
- [ ] its density
- [ ] its atomic radius
- [ ] its appearance
- [x] its atomic mass
- [x] its chemical symbol

السؤال 2

Select the best answer.

Silicon is often used in technology because it can conduct electricity, but its ability to do so can be controlled using heat. How does this fact reflect silicon's nature as a metalloid?



- Silicon is shiny, but at the same time brittle and not malleable or ductile.
- Silicon can be shaped and pulled without breaking but is also dull in appearance.
- ✓ Silicon has similar properties to metals, but not to the same extent.
- Silicon does not have similar properties to nonmetals.

السؤال 3

Select the best answer.

The element arsenic is shown. What information can you know about arsenic from this picture?



- ✓ The answer cannot be determined from this picture.
- Arsenic is a nonmetal because it is a poor conductor of electricity.

Arsenic is a metalloid because it is shiny but still a poor conductor.

Arsenic is a metal because it is very shiny in appearance.

السؤال 4

Select the best answer.

Iodine is a nonmetal that is solid at room temperature. What can you determine from this information?



Iodine has a relatively low melting point. ✓

Iodine is found as a giant molecule.

Iodine is an intermediate conductor of electricity.

Iodine can easily sublime into a gas.

السؤال 5

Select the best answer.

The element chlorine is shown. What type of element is chlorine?



- Chlorine is a metal because it is malleable and changes shape to the form of its container.
- The answer cannot be determined from this picture.
- Chlorine is a metalloid, because it is both a gas and is malleable.
- ✓ Chlorine is a nonmetal, because it is in the form of a gas.

السؤال 6

Select the best answer.

Copper is a type of metal. Which properties of copper show that it is a metal and not a nonmetal or a metalloid?

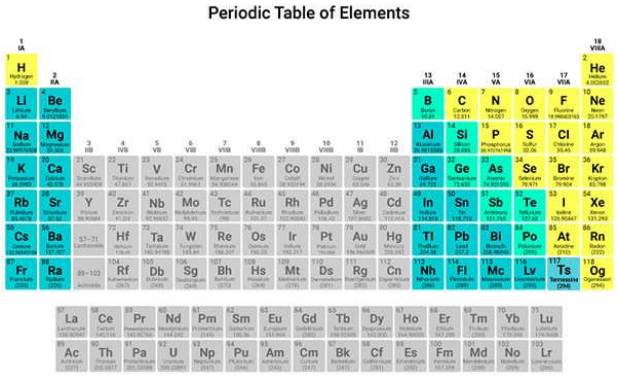


- Copper turns green when exposed to air or water.
- Copper can be stretched easily without breaking. ✓
- Copper is in a solid-state at room temperature.
- Copper is very shiny in its appearance.

السؤال 7

Select the best answer.

Based on the information in this section of the periodic table, which of these elements is a metalloid?



- bismuth (Bi)

phosphorus (P)

boron (B) ✓

lead (Pb)

السؤال 8

Select the best answer.

Which is a property of only metals, but not nonmetals or metalloids?

Metals have low melting points at room temperature.

Metals are shiny in appearance.

Metals are malleable and ductile. ✓

Metals can conduct electricity well.

السؤال 9

Select the best answer.

Based on the information from the periodic table, how many protons does an atom of oxygen have?



- This cannot be determined from the information given.
- none
- fifteen
- eight ✓

السؤال 10

Select the best answer.

On the periodic table, potassium and krypton are two elements that are found at opposite ends of the same period. What can you tell about these two elements from the periodic table?

- Both elements have many of the same properties.
- Both elements have similar atomic numbers.
- Both elements have very different properties. ✓

Both elements have almost the same atomic mass.

السؤال 11

Select the best answer from the drop-down menu to complete the sentence.

The element gold (Au) is an example of a(n)

transition element ✓ .



السؤال 12

Drag and drop the best answers to complete the sentence.

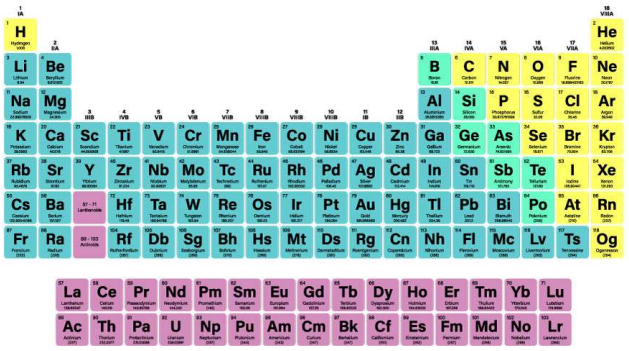
Metalloids are shiny like metals ✓ and brittle like nonmetals ✓ .

liquids | solids | gases | ductile

السؤال 13

Drag and drop the best answers to complete the sentence.

Metals include [some ✓] of the representative elements and [all ✓] of the transition elements.

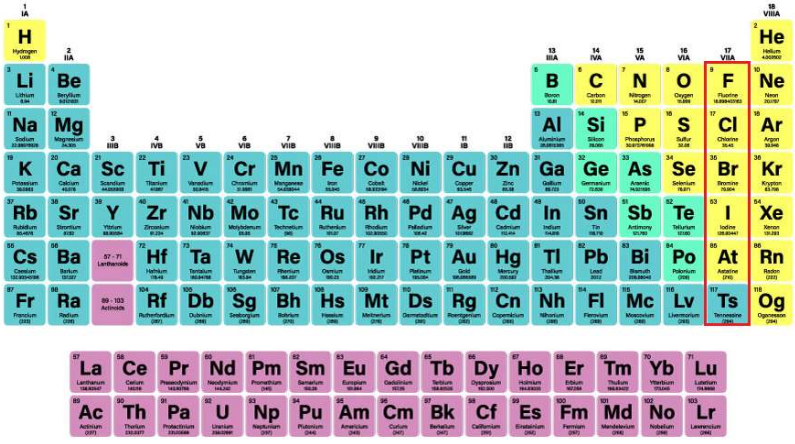


half | two thirds | less than half

السؤال 14

Select the best answer from the drop-down menu to complete the sentence.

On this periodic table, a [group ✓] is highlighted.



السؤال 15

Select the best answer from the drop-down menu to complete the sentence.

The symbol for the element calcium should be written as Ca ✓ .

