عرض المعلومات المساعدة عرض التغذية الراجعة عرض جميع الأسئلة

السؤال 1

Select the best answer choices.

Potassium (K) is an alkali metal, which means that it is highly reactive. Which other elements would it **most likely** form a compound with?

- [x] chlorine (Cl)
- [x] iodine (I)
- [ ] rubidium (Rb)
- [ ] magnesium (Mg)
- [ ] hydrogen (H)
- [ ] sodium (Na)

السؤال 2

Select the best answer.

Neon (Ne) is often used in lights. Which other element could be used for the same purpose?



- fluorine (F)
- krypton (Kr) ✓
- oxygen (O)
- hydrogen (H)

السؤال 3

Select the best answer.

Gold is a transition metal, while calcium is an alkaline earth metal. What would **most likely** happen if these two metals were placed together?



- The metals would combine to form a new and permanent compound.

Calcium would react with oxygen in air and gold would not. ✓

Both metals would react with the oxygen in air.

Nothing would happen, because neither metal is very reactive.

السؤال 4

Select the best answer.

Use the information in the table to answer the question.

Elements from group 1 and group 17 readily react. Which halogen would you expect to react **slowest** with sodium?

Element	Melting Point (K)	Boiling Point (K)	Density (kg/m^3)
fluorine (F)	54	85	1.51
chlorine (Cl)	172	239	1.66
bromine (Br)	266	332	3.19

iodine (I)	387	458	3.96

- [x] iodine
- [ ] chlorine
- [ ] bromine
- [ ] fluorine

السؤال 5

Select the best answer.

Fluorine (F) and bromine (Br) are halogens. Which properties do halogens have?

- [ ] Halogens are in gas form at room temperature.
- [ ] Halogens are types of metals.
- [ ] Halogen are very nonreactive.
- [x] Halogens combine easily to form compounds.

السؤال 6

Drag and drop the best terms to complete the sentence.

On the periodic table, the inner transition ✓ metals include the lanthanide and actinide ✓ series.

transition | halogen | alkaline | noble

السؤال 7

Select the best answer choices.

Which groups of elements on the periodic table are the **most** reactive?

- [x] halogens
- [ ] transition metals
- [ ] alkaline earth metals
- [x] alkali metals

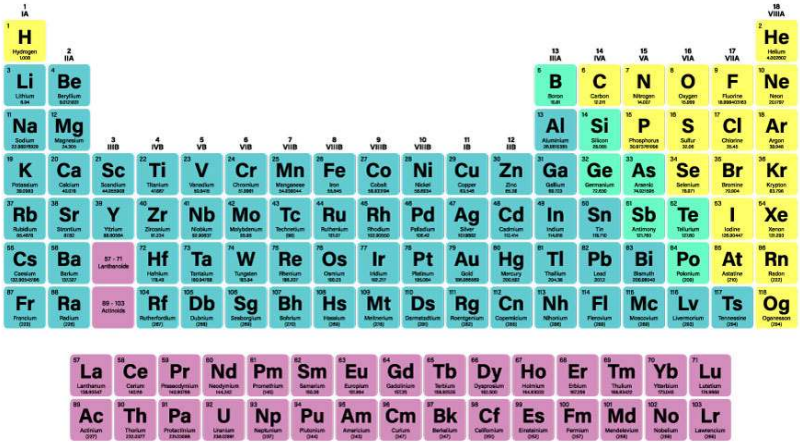
- [ ] inner transition metals

- [ ] noble gases

السؤال 8

Select the best answer.

Based on their locations on the periodic table, which of these elements is the **least** reactive?



- [ ] chlorine (Cl)

- [x] titanium (Ti)

- [ ] calcium (Ca)

- [ ] sodium (Na)

السؤال 9

Select the best answer.

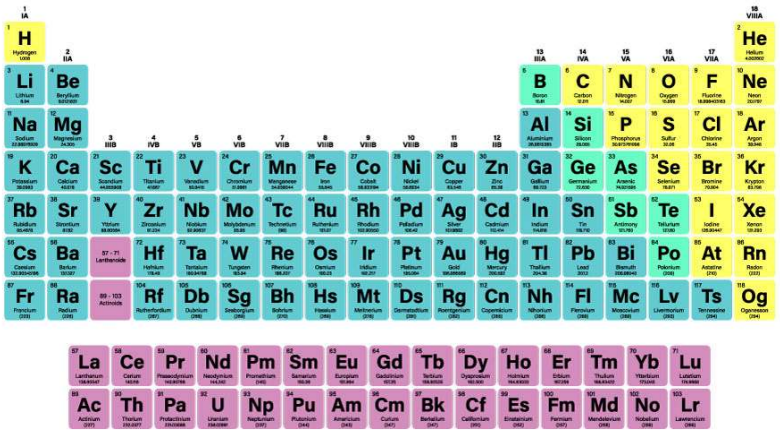
Which **metal** will most easily form a compound when combined with another element?

- uranium (U)
- neon (Ne)
- fluorine (F)
- lithium (Li) ✓

السؤال 10

Select the best answer.

Locate the elements barium (Ba), beryllium (Be), strontium (Sr), and radium (Ra) on this periodic table. What characteristics do all of these elements have in common?



- They are all among the most highly reactive metals.
- They all emit light when struck by electrons.
- They are all types of metals. ✓
- They are all types of gases.