

AP Chemistry – Periodic Table Fill-in – 10

Name _____ Per ____

Fill in the blanks on the Periodic Table (see reverse) with the letter associated with each element listed below. Do not use the chemical symbol for the element.

1. A, B, C and D belong to a family whose members are all gases. A is commonly used in advertising signs. B was first discovered on our sun and is used in balloons. C was used to make the first compounds of the group. D is the group member present in the largest amount in air.
2. E and F are members of a family containing both gases and solids. E is diatomic and is the largest component of the air we breath. F is a metalloid and is a dangerous poison.
3. G, H and I belong to the most active group of metals. G is a member of the first period to contain 18 elements. H is a radioactive metal and the most active of all metals. I is named from the Latin word for "red".
4. J, K and L belong to the same family and are all metals. A compound of J is a major component of bones and teeth. K is used in highway flares and to produce light in flashbulbs. L is radioactive.
5. M is a gas but is similar in some properties to G, H and I.
6. N, O and P are very active nonmetals. N is a liquid and O is a nonradioactive solid. P is the most chemically reactive of all the elements.
7. Q, R, S and T are in different groups but the same period. Q is a gas used to disinfect water. R is a yellow nonmetallic solid. S is a metalloid used in computer chips. T is a metal of low density used in the kitchen.
8. U, V, W and X are transition elements. U is an excellent conductor of electricity and is used for wiring and cookware. V is a liquid at room temperature. W is used mostly for steelmaking. X once used mainly in coins, is now primarily used in expensive jewelry.
9. Y is an actinide used as the major nuclear fuel. Z is named for the creator of the Periodic Table.

