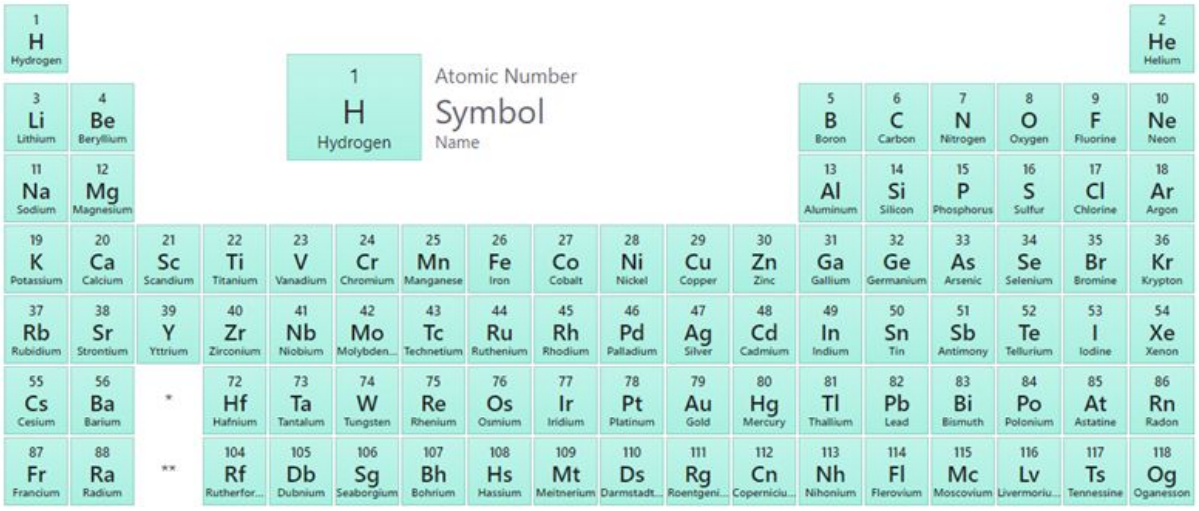
The Periodic Table



The periodic table is a system for arranging the chemical elements. The chemical elements are the basic substances that make up all matter.

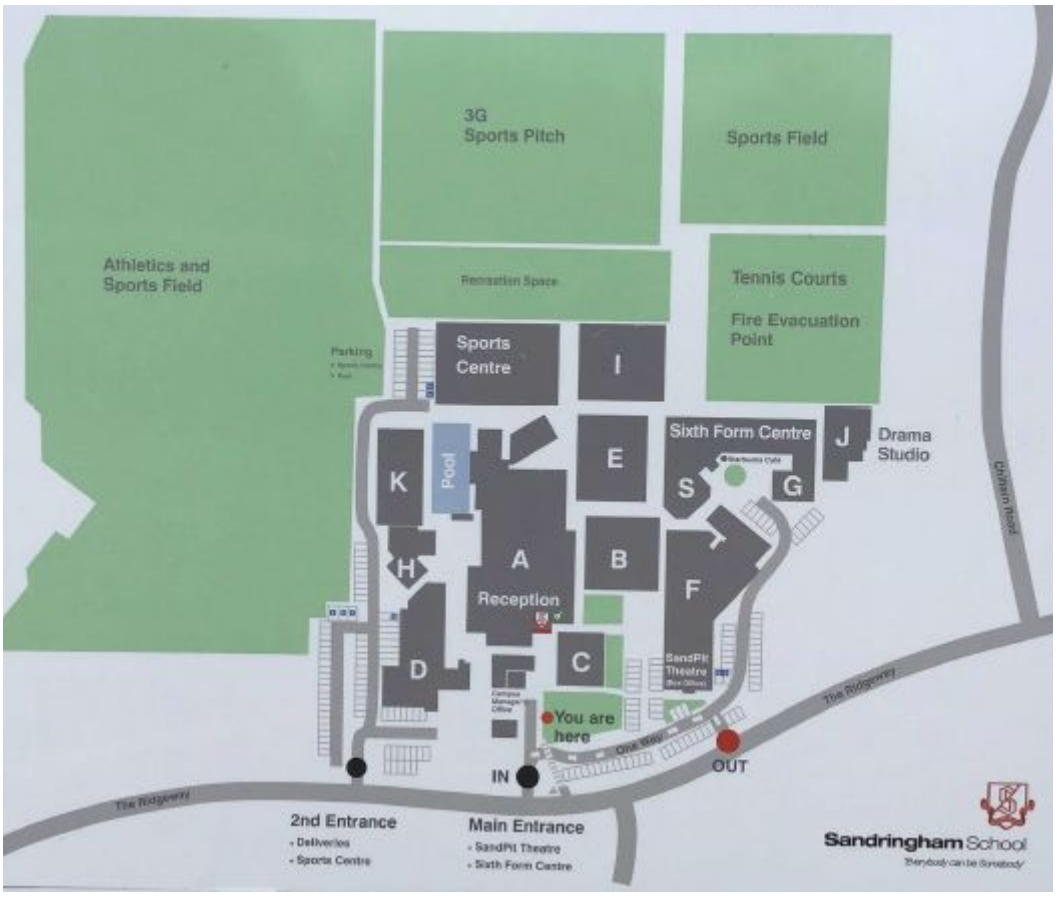
Each chemical element has a particular feature called its atomic number. That number comes from the amount of tiny particles called protons in each atom of the element.

A Russian chemist named Dmitry Mendeleyev developed the first periodic table in 1869. At the time, scientists did not know about atomic numbers. They did know that each element had an atomic weight, however. Mendeleyev noticed that there is a relationship between the atomic weights and other properties of the elements. When all the known chemical elements were arranged in order of atomic weight, they appeared to be in groups with shared properties.

Mendeleyev's first table did not look like the modern version. He revised it several times. As scientists learned more about the elements they revised the table several more times since then. The current version of the table has been in use since the mid-1900s.

Go to this website to help you solve the questions below.

https://elements.wlonk.com/ElementsTable.htm



Miss Jackson ordered some brand new science equipment, ready to do lots of fascinating experiments in the new academic year but unfortunately it has been delivered to blocks all over campus! Can you solve the clues below to work out where each piece of equipment has been delivered?

You may have to do some research on the internet about elements to help you.

1. The test tubes were delivered to the block with the symbol for the element that makes diamonds.

2. The bunsen burners were delivered to the block with the symbol of an alkali metal.

3. The conical flasks were delivered to the block with the symbol of a non-metal element that is a bright yellow, solid at room temperature.

4. The tripods were delivered to the block with the symbol of the most abundant element in the **universe.**

5. The beakers were delivered to the block with the symbol of an element that is added to the water supply to prevent tooth decay.

6. The thermometers were delivered to the block with the symbol of a metalloid element.

7. The measuring cylinders were delivered to the block with the symbol of an element that is a purple-black non metal at room temperature and belongs to a group called the halogens.

8. Miss Jackson wanted all of the equipment to be delivered to the block in the school that only contains science labs. Which block is this?

Answers: C,K,S,H,F,B,I,E