

What is the suffix for an ester? - CORRECT ANSWER --oate

Why can carbon form so many compounds? - CORRECT ANSWER -- It can bond with other carbons forming chains or rings.

- It can form single, double, or triple bonds with other carbons.
- It can bond with other elements such as oxygen, hydrogen, nitrogen, phosphorus and halogens.

What is the relative mass of:

- Proton
- Neutron
- Electron - CORRECT ANSWER -- Proton= 1
- Neutron= 1
- Electron= 1/1840

What is the size on an atom? - CORRECT ANSWER -0.1nm - 0.5nm

How do you work out the number of neutrons in an atom? - CORRECT ANSWER -Neutrons= mass number- atomic number

What is another name for the atomic number? - CORRECT ANSWER -Proton number

How do you calculate the charge on the nucleus? - CORRECT ANSWER -(1.6x10⁻¹⁹)x the number of protons

What is an isotope? - CORRECT ANSWER -An isotope is an element made up of a different number of neutrons. This means that:

Examples= Paint

What components is brass made up of? Give a use. - CORRECT ANSWER -- Copper and zinc

- Furniture, musical instruments

What components is Bronze made up of? Give a use. - CORRECT ANSWER -- Copper and Tin

- Musical instruments, electrical contacts

What components is cast iron made up of? Give a use. - CORRECT ANSWER -- Carbon, silicon and iron

- Pans and other utensils

What components is Nichrome made up of? Give a use. - CORRECT ANSWER -- Nickel and chrome

- E-cigs

What components is pewter made up of? Give a use. - CORRECT ANSWER -- Tin, copper, antimony, bismuth and sometimes lead

- Utensils, dinnerware, trays, serving utensils etc.

What components is solder made up of? Give a use. - CORRECT ANSWER -- Tin and lead

- Manual/domestic soldering and joining

What components is steel made up of? Give a use. - CORRECT ANSWER -- Iron and carbon

- Construction of roads, railways, other infrastructure, appliances and buildings.

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- A parallel circuit? - CORRECT ANSWER -- Series: $R_t = R_1 + R_2 + R_3 \dots$

- Parallel: $1/R_t = 1/R_1 + 1/R_2 + 1/R_3 \dots$

What two elements are essential for bone growth and development? - CORRECT ANSWER -
Calcium and Phosphorus

What is lithium used to treat? - CORRECT ANSWER -Bipolar

What two elements help to maintain osmotic balance in cells and act as charge carriers eg. in
nerve cells? - CORRECT ANSWER -Sodium and potassium

What can platinum be used to treat? What is the treatment called? - CORRECT ANSWER --
Cancer

- Chemotherapy

Yes holly undid it for - CORRECT ANSWER --

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