Jeopardy

Elements and the Periodic Table

POWERPOINT JEOPARDY

Periodic Table	Atomic Calc.	Metals etc.	Stardust	Whale
10	10	10	10	10
20	20	20	20	20
30	30	30	30	30
40	40	40	40	40
50	50	50	50	50

Who is the inventor of the periodic table?

A column in the periodic table is also called a _____.

A row in the periodic table is also called a _____

Group 18 is also known as the _____

Elements in this group are reactive but not as much as the alkali metals

I have an atom with a mass of 24 and also has12 protons. What element am I?

Atomic mass is the sum of _____ and _____.

I have an atom with a mass of 24 and an atomic number of 12 protons. What element am I?

I have an atom with a mass of 18 and also has8 protons. Am I an isotope? Why?

I have an atom with a mass of 50 and also has 26 protons. This element also has a -5 charge.
How many of the following are there?
Protons:
Neutrons:
Electrons:

Where are nonmetals found on the periodic table?

List 3 properties of metals.

I have an object that reacts with acid, and conducts electricity but is dull and brittle. What type of element am I dealing with?

Give an example of an alloy.

_____ _____ are responsible for the reactivity in elements. They are also responsible for the lack of reactivity from noble gases

The process that fuels the star is also known as…

Stars like our sun account for all elements up to element _____.

Heavier elements then iron require a _____ a stellar explosion.

Insert Text for Question Category 4 – 40 Points

The fusion of two hydrogen atoms will result in the creation of _____ and _____.

This group reacts readily with water in an explosive way.

Noble gases have _____ valence electrons.

_____ electrons fit in the inner shell

This grouping of elements includes uranium and thorium.

I have an element with a 20 electrons and an atomic mass of 42. The element has a charge of 3.

Determine:

Protons, neutrons and electrons