

Name: _____

Period: _____

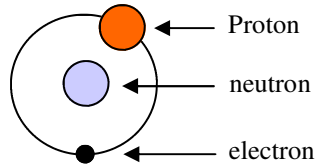
HW2:8 Making Atoms
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science.fearthepenguin.net

Assigned: Wed., 9/27 and Thurs., 9/28
Due: Fri., 9/29 and Mon., 10/2

- If two elements do not have the same number of protons
 - Are they the same element?
 - Can they be isotopes?
- If Chlorine 35 has 17 protons; 18 electrons; 18 neutrons, which of the following is an isotope of Chlorine?
 - 12 protons; 12 electrons; 13 neutrons
 - 14 protons; 13 electrons; 14 neutrons
 - 17 protons; 17 electrons; 17 neutrons
- If an atom has 19 protons and 20 neutrons
 - What element is it?
 - How many total particles are in the nucleus?
 - What is the mass # for this element?
- Do electrons want to bunch up or spread out?
 - Why or why not?
- Nitrogen 15 has ____ protons and ____ neutrons.
- Neon 21 has ____ protons and ____ neutrons.
- Boron 9 has how many neutrons?
- 13 protons and 15 electrons.
 - Ion or neutral?
 - Element: _____
 - Charge: _____
- Which row is potassium in?
- How many electron levels does potassium have?

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- Oxygen is in row: _____
 - How many full electron levels does oxygen have?

14. What's wrong with this atom?



- Using your periodic table:
 - What is the chemical symbol for sodium?
 - What is the atomic mass of sodium?
 - What is the most common # of neutrons?

Body systems

- Which system protects you from the outside environment (keeps your body closed)?
- Which system makes a pimple on your skin? (that puss is white blood cells.)
- When you get angry what system makes you get excited?