



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Atom

Period

Nucleus

Proton

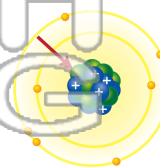
Valence shell

Radioactive

Nonmetal

Neutron

1. _____ - the neutral particle found in the nucleus of an atom; the number of neutrons is not a property of an element, but helps keep the nucleus stable

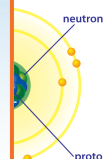


2. _____ - a class of elements that have similar chemical and physical properties; they are dull, poor conductors of heat and electricity, and brittle

Properties:
low melting points
most are gases at room



3. _____



4. _____
same number of electrons on the right

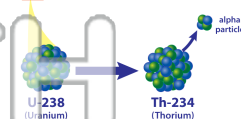


5. _____
the number of protons

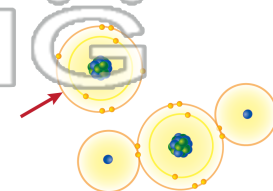
PREVIEW
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6. _____ - unstable elements that decay into lighter elements and emit energy; uranium is an example of a radioactive element

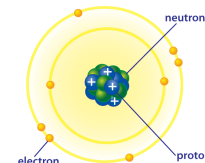
Ac Th Pa U No Pu Am Cm Bk Cf Es Fm Md No Lr



7. _____ - the outermost shell of an atom, usually involved in the chemical combination of elements



8. _____ - the building blocks of all matter; atoms are composed of protons, neutrons, and electrons





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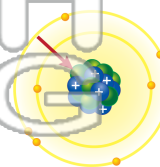
Valence shell

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Neutron

1. neutron - the neutral particle found in the nucleus of an atom; the number of neutrons is not a property of an element, but helps keep the nucleus stable

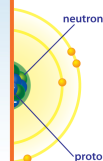


2. nonmetal - a class of elements that have similar chemical and physical properties; they are dull, poor conductors of heat and electricity, and brittle. oxygen is a nonmetal.

Properties:
low melting points
most are gases at room temperature



3. nucle



4. perio
number of

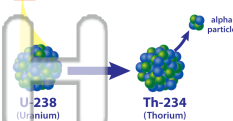
PREVIEW

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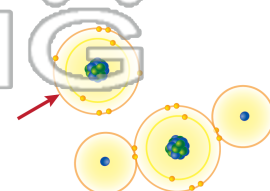


6. radioactive - unstable elements that decay into lighter elements and emit energy; uranium is an example of a radioactive element

Ac Th Pa U No Pu Am Cm Bk Cf Es Fm Md No Lr



7. valence shell - the outermost shell of an atom; usually involved in the chemical combination of elements



8. atom - the building blocks of all matter; atoms are composed of protons, neutrons, and electrons

