

Atom Diagrams Practice

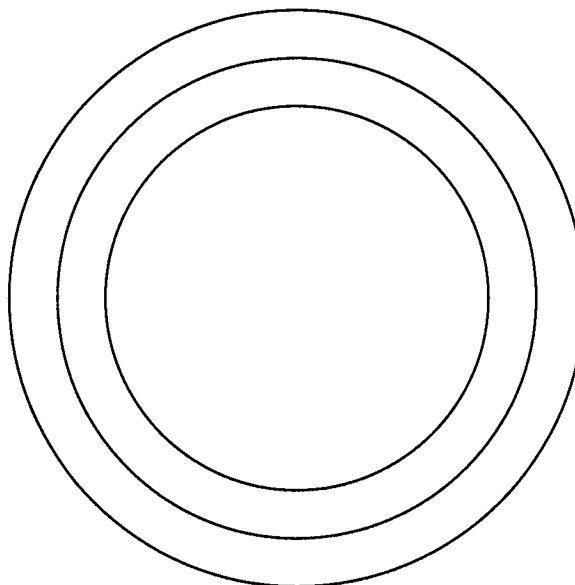
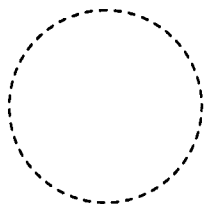
NAME:

DATE:

HOUR:

KEY:

Nucleus



First Three Electron Orbitals

Protons



Neutrons

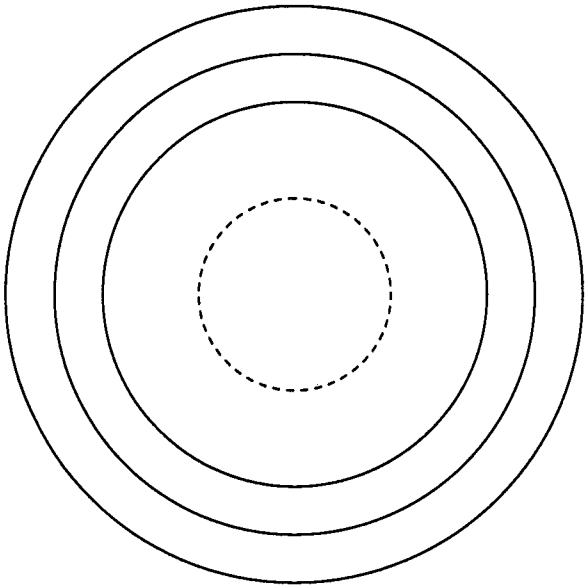


Electrons

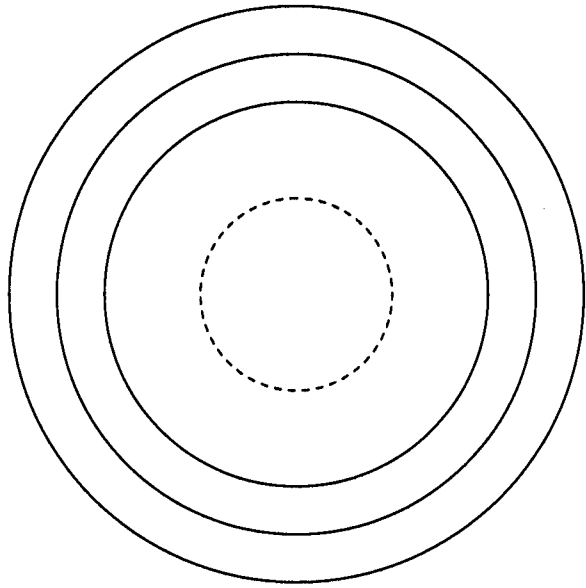


INSTRUCTIONS:

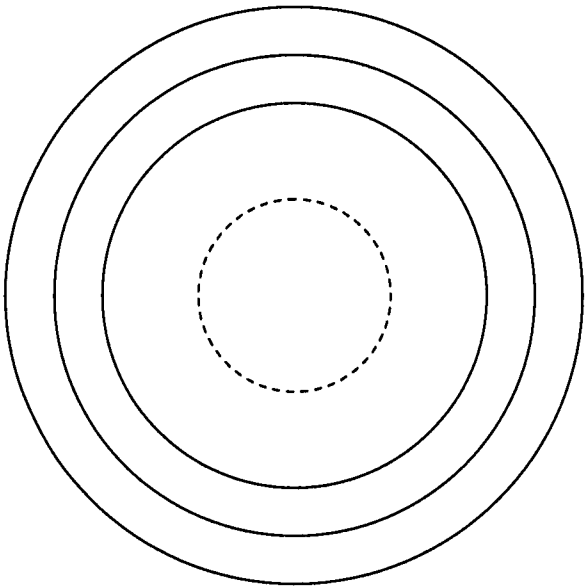
1. Use the periodic table to calculate the number of protons, neutrons and electrons in the given atom. Record this in the box next to each atom.
2. Draw the correct number of protons and neutrons in the nucleus.
3. Draw the correct number of electrons in each orbital.
NOTE: You may not use all three orbitals for each element. Remember the rule; 2-8-8.
4. Record the number of valence electrons in the space provided in the box next to the atom.



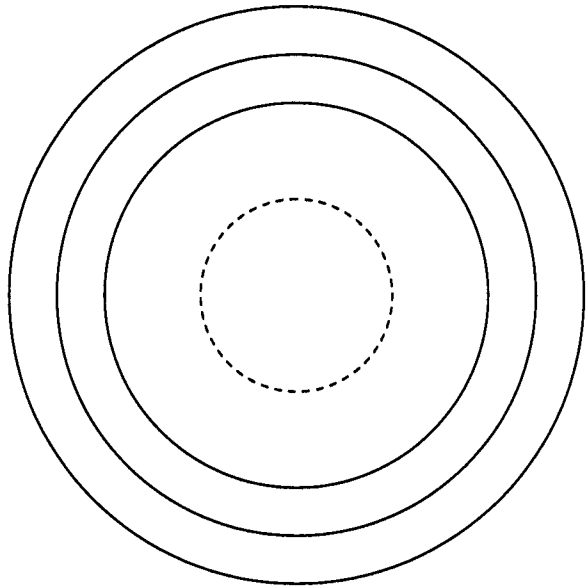
H
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N=
E=
V.E.=



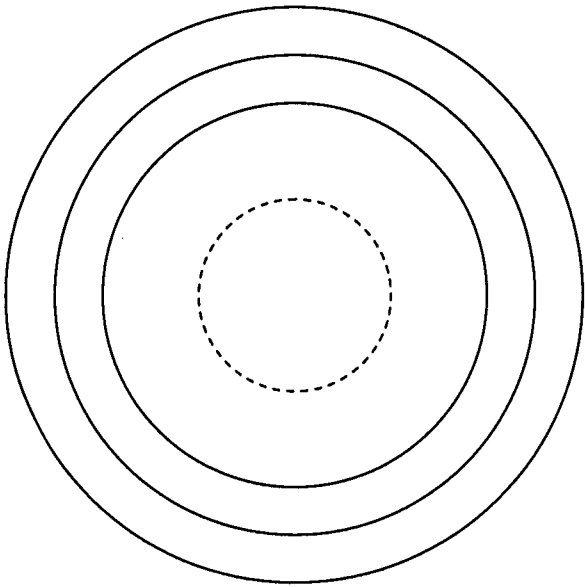
Si
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V.E.=



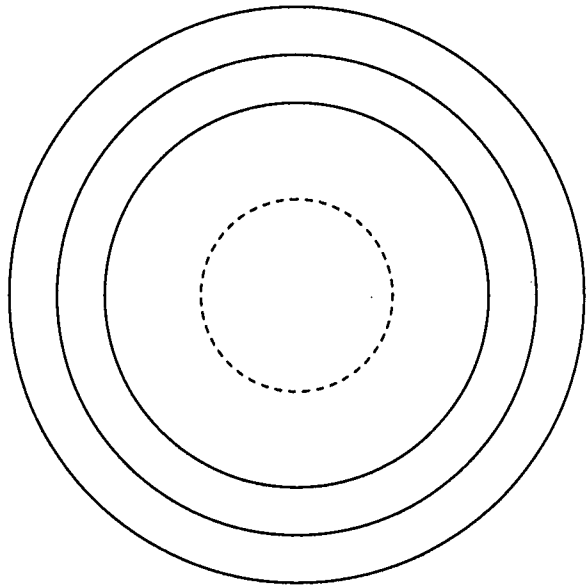
Na
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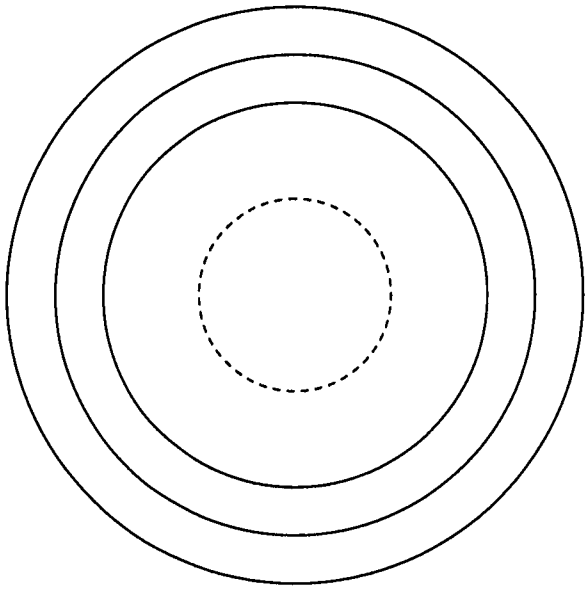
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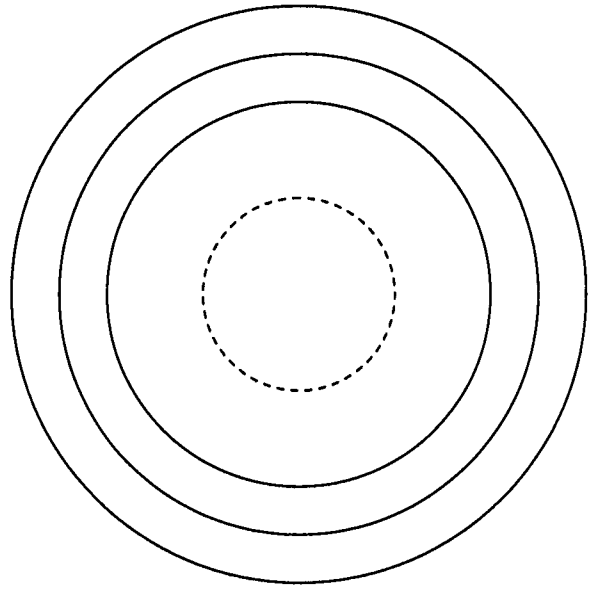
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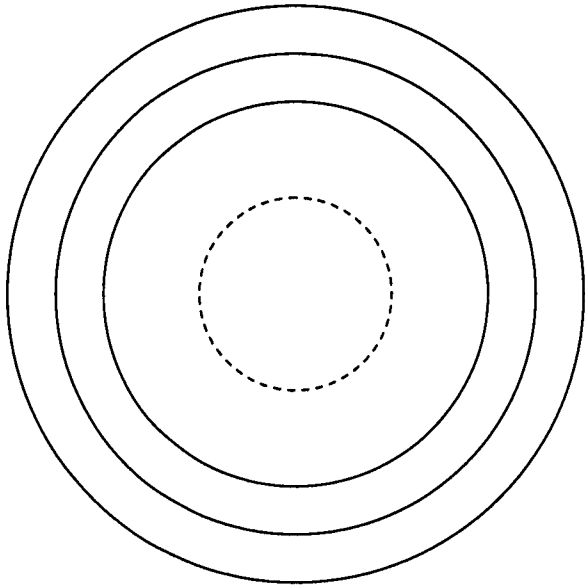
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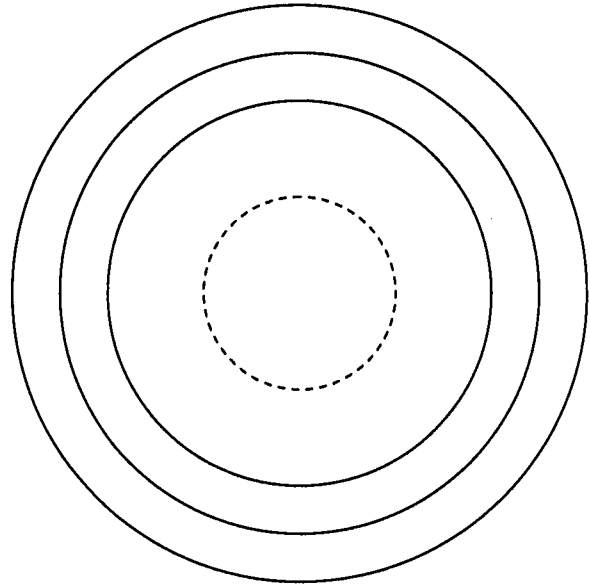
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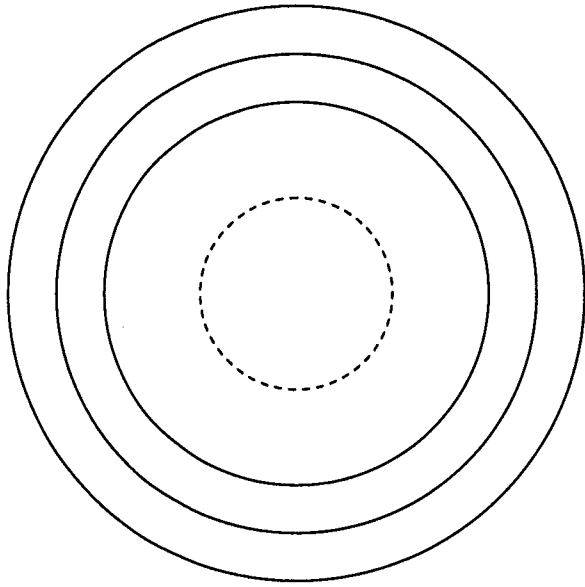
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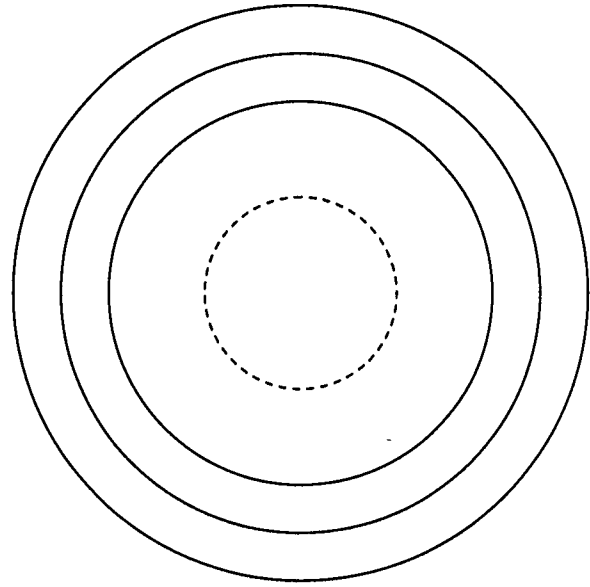
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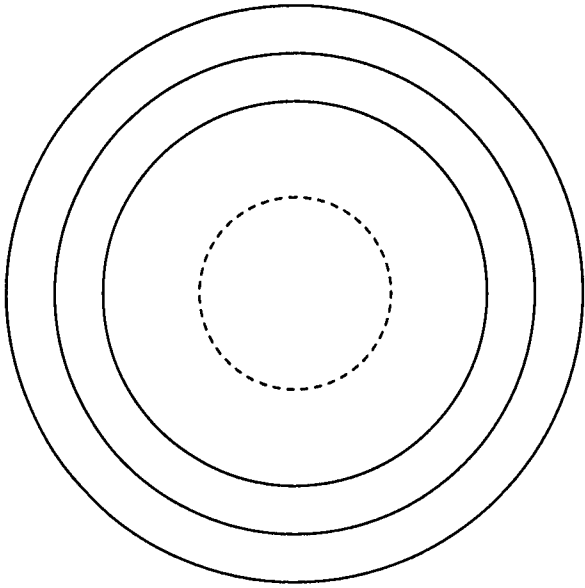
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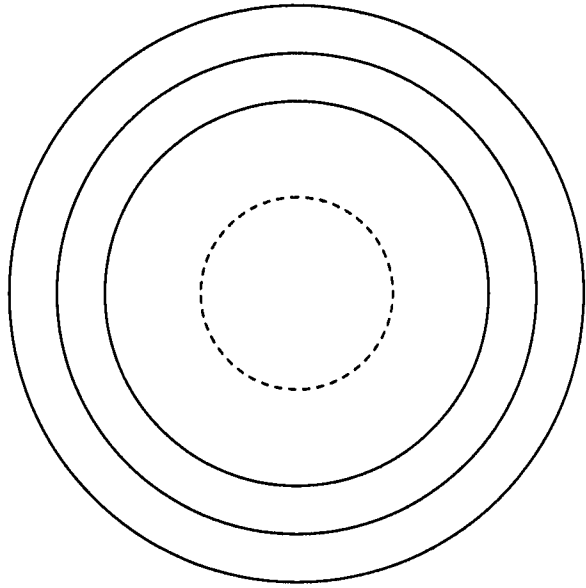
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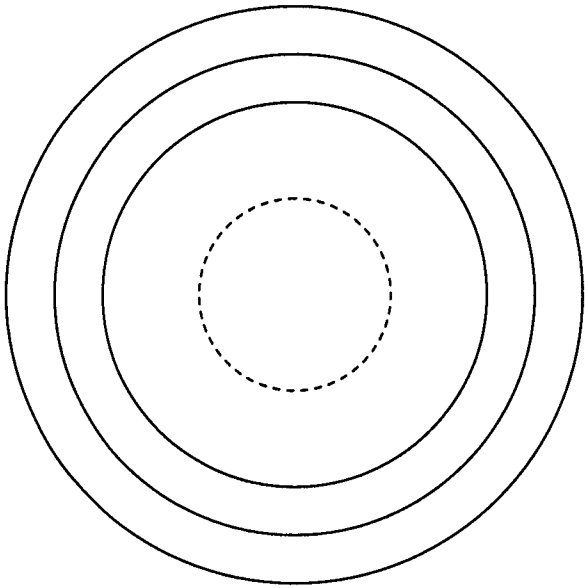
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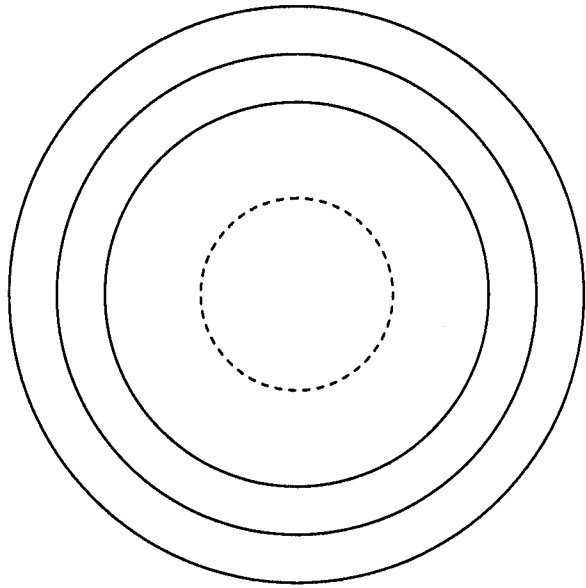
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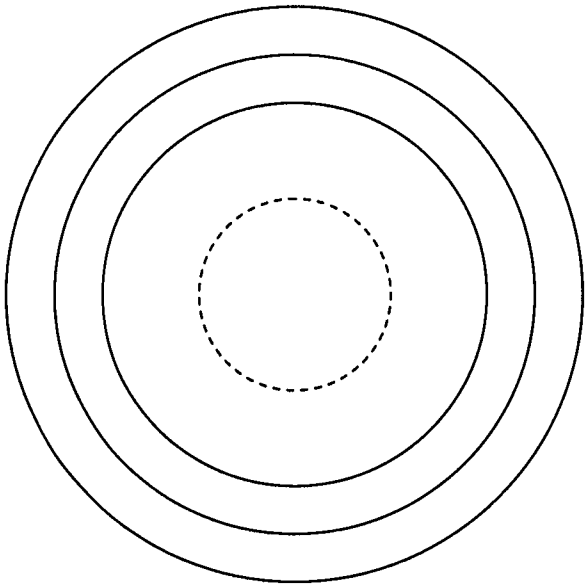
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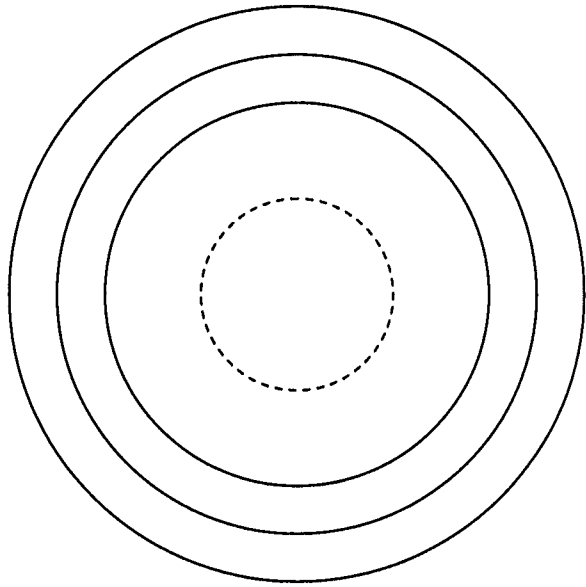
Al
P=
N=
E=
V.E.=



Ne
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N=
E=
V.E.=



N
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E=
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Be
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