

Isotopes Practice Set

- What is an isotope?
- What does the number next to isotopes signify?
- How can you tell isotopes apart?

For each of the following isotopes, write the number of protons, neutrons, and electrons.

	Chlorine-35	Chlorine-37
# of protons	17	17
# of neutrons	18	20
# of electrons	17	17

	Nitrogen-14	Nitrogen-15
# of protons	7	7
# of neutrons	7	8
# of electrons	7	7

	Carbon-12	Carbon-13
# of protons	6	6
# of neutrons	6	7
# of electrons	6	6

	Oxygen-16	Oxygen-18
# of protons	8	8
# of electrons	8	8
# of neutrons	8	10

Fill in the isotopes names including chemical symbol, atomic number, and mass number from the values that your partner gave and the information provided.

	Isotope: 34	Isotope: 35
# of protons	17	17
# of neutrons	17	18
# of electrons	17	17

	Carbon-12	Carbon-13
# of protons	6	6
# of neutrons	6	7
# of electrons	6	6

	Iron-56	Iron-57
# of protons	26	26
# of neutrons	30	31
# of electrons	26	26

	Chlorine-35	Chlorine-37
# of protons	17	17
# of neutrons	18	20
# of electrons	17	17

Isotope Practice Set Answer Key

LL Leslie

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'LL Leslie' text.

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