

Part A

What is the atomic number of an atom that has 6 protons, 6 neutrons, and 6 electrons?

- ☐ 12
- ☐ -1
- ☐ 0
- ☒ 6
- ☐ 18

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Correct

This is an atom of carbon, an element with 6 protons. Atomic number is the number of protons in an atom.

Part B

Which of these refers to atoms with the same atomic number but different atomic masses?

- ☐ These atoms are different elements.
- ☐ These atoms have different numbers of electrons.
- ☐ These atoms have different numbers of protons.
- ☐ These atoms are isomers.
- ☒ These atoms are isotopes.

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Correct

Atoms with the same atomic number and different atomic masses are referred to as isotopes.

Mastering Biology Answers Chapter 13

Joacim Rocklöv



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