

Name: _____ Date: _____

Your Secret Carbon Recipe: A 2nd Grade Chemistry Adventure

Building molecular chains, identifying carbon patterns, and connecting chemistry to nature. These hands-on observations make the tiny world of atoms feel big and exciting.

1. Carbon likes to hold hands with other atoms to build long lines. These lines are called:

- A. Stone walls
- B. Carbon chains
- C. Paper streamers
- D. Mountain peaks

2. True or False: Carbon atoms are found inside of living things like trees and puppies.

- A. True
- B. False

3. When carbon atoms join together in a perfect circle shape, scientists call it a ____.

- A. Square
- B. Triangle
- C. Ring
- D. Star

4. Which of these is a common material made by humans using carbon chains?

- A. Plastic toys
- B. Solid gold
- C. Glass windows
- D. Table salt

5. If you add a special group of atoms to a carbon chain, the whole molecule might change its ____.

- A. Name only
- B. Smell or behavior
- C. Age
- D. Favorite color

6. True or False: Every single molecule in the whole world contains carbon.

- A. True
- B. False

7. In the fruit bowl, which chemical helps a banana turn yellow and get soft?

- A. Iron
- B. Helium
- C. Ethylene gas

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D. Sand

8. Organic chemists are like ____ because they study how to build new molecules.

- A. Architects
- B. History teachers
- C. Bus drivers
- D. Soccer players

9. True or False: Carbon atoms are very good at sticking to many different types of other atoms.

- A. True
- B. False

10. Which of these contains 'natural' organic carbon compounds that give us energy?

- A. A shiny rock
- B. An apple
- C. A metal spoon
- D. A magnet