

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Caring Carbon: Creative Chemistry for 1st Grade

Moving beyond simple shapes, students apply basic chemistry concepts to recognize carbon's role in the living world through observation and analysis.

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**1. Carbon is a special building block that loves to make chains. Which of these is a long chain of carbon found in our clothes?**

- A. Cotton from a plant
- B. A metal spoon
- C. A glass window
- D. A rock

**2. True or False: Carbon is found inside of every living thing, including you!**

- A. True
- B. False

**3. Plants breathe in a gas called Carbon \_\_\_\_\_ to help them grow and make food.**

- A. Oxygen
- B. Dioxide
- C. Juice
- D. Dust

**4. If you look at a sweet strawberry, which carbon-based part gives it energy and a sweet taste?**

- A. Salt
- B. Water
- C. Natural Sugar
- D. Pepper

**5. True or False: A diamond ring and a pencil lead are both made of the same element: Carbon.**

- A. True
- B. False

**6. Bees use carbon to make \_\_\_\_\_, which they use to build their homes (hives).**

- A. Steel
- B. Glass
- C. Wax
- D. Mud

**7. Carbon atoms can stick together in many shapes. Which shape is common for organic molecules?**

- A. A zig-zag chain
- B. A flat pancake

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- C. A perfect circle
- D. None of these

**8. When we eat food, our bodies break down carbon \_\_\_\_\_ to get the energy to run and play.**

- A. Rocks
- B. Molecules
- C. Magnets
- D. Colors

**9. Many things that smell, like a lemon or a flower, use carbon. These smells come from tiny organic \_\_\_\_\_.**

- A. Sounds
- B. Oils
- C. Light
- D. Shadows

**10. True or False: Carbon chemistry is only for things that are man-made, like plastic toys.**

- A. True
- B. False