

Name: _____ Date: _____

Natural Carbon Wonders 4th Grade Quiz

Perfect for a morning bell-ringer, students identify carbon's role in everyday items like pencil lead, diamond rings, and the wax in their candles.

- 1. Which special element acts like a 'building block' for almost everything that is alive on Earth?**
 - A. Helium
 - B. Carbon
 - C. Gold
 - D. Silver
- 2. The soft, black 'lead' found inside your school pencil is actually a form of carbon called _____.**
 - A. Plastic
 - B. Graphite
 - C. Rubber
 - D. Ink
- 3. True or False: Carbon atoms can only form straight lines and cannot form circles or rings.**
 - A. True
 - B. False
- 4. Candle wax belongs to a group of organic molecules called hydrocarbons. What two elements make up a hydrocarbon?**
 - A. Carbon and Oxygen
 - B. Hydrogen and Nitrogen
 - C. Hydrogen and Carbon
 - D. Carbon and Iron
- 5. A _____ is a sparkling gemstone that is made of 100% carbon atoms packed very tightly together.**
 - A. Diamond
 - B. Emerald
 - C. Ruby
 - D. Pearl
- 6. True or False: Organic chemistry is the study of molecules that contain carbon.**
 - A. True
 - B. False
- 7. Which of these is a common organic material found in a kitchen that gives us energy?**
 - A. Salt
 - B. Sugar

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- C. Water
- D. Baking Soda

8. Organic molecules that are very long and made of repeating patterns are called _____, which are used to make things like plastic toys.

- A. Gas
- B. Polymers
- C. Metals
- D. Crystals

9. True or False: Everything in the world, including rocks and metal, is considered organic.

- A. True
- B. False

10. What do we call the 'sticking together' of atoms in a carbon molecule?

- A. Gluing
- B. Magnetizing
- C. Bonding
- D. Tape