

Name: _____ Date: _____

Sticking Like Honey: Organic Chemistry K-6 Chains Quiz

Tiny investigators build molecular necklaces and track carbon's sticky path as a hands-on introduction to the building blocks of living things.

1. Carbon is a very 'friendly' atom that loves to hold hands with others. When carbon atoms hold hands in a long line, what does it look like?

- A. A fuzzy cloud
- B. A tall skyscraper
- C. A long chain
- D. A flat pancake

2. Most things that were once alive, like a wooden stick or a fallen leaf, are made of ___ chemistry.

- A. Metal
- B. Organic
- C. Space
- D. Rock

3. Carbon atoms can connect together to make a shape that looks like a ring or a circle.

- A. True
- B. False

4. Think about a sweet strawberry. What organic 'fuel' is inside the fruit that gives your body energy?

- A. Rust
- B. Salt
- C. Glass
- D. Sugar

5. All organic things must have the atom called Carbon inside them.

- A. True
- B. False

6. Carbon is very strong. It can build hard things like a diamond or soft things like ___.

- A. Plastic
- B. Steel
- C. Gold
- D. Magnet

7. Which of these acts like a 'glue' that keeps atoms together in an organic molecule?

- A. Tape
- B. Bonds

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- C. Stickers
- D. Gravity

8. If you look at a molecule that has only Carbon and Hydrogen, we call it a ____.

- A. Hydrocarbon
- B. Oxygenator
- C. Water-maker
- D. Metal-mix

9. An organic scientist is someone who only studies rocks and volcanoes.

- A. True
- B. False

10. Carbon can share 4 'handshakes' at once. Why is this helpful for building life?

- A. It can only make small circles
- B. It can't connect to anything
- C. It can build very complex shapes
- D. It makes things invisible