

Name: _____ Date: _____

Why Do Atoms Hold Hands? A 1st Grade Chemistry Quiz

Students apply critical thinking to identify how tiny particles stick together like magnets or LEGO bricks to form the world around them.

1. Imagine two tiny pieces of the world want to stay together. They decide to share a toy (an electron) between them. What kind of 'hand-holding' bond is this?

- A. A magnet bond
- B. A covalent bond
- C. A breaking bond
- D. A lonely bond

2. True or False: Tiny pieces of stuff called atoms can stick together to make bigger things like your juice or your toys.

- A. True
- B. False

3. When one atom gives a 'gift' to another atom to make them both happy and stuck together, it is called an _____ bond.

- A. Icy
- B. Ionic
- C. Iron
- D. Invisible

4. Think about a metal spoon. All the tiny parts inside are sharing a big 'hug' to stay strong. What type of bond makes metals like silver and gold so strong?

- A. Sugar bonds
- B. Paper bonds
- C. Metallic bonds
- D. Rubber bonds

5. True or False: Atoms only bond because they want to fall apart.

- A. True
- B. False

6. If atoms are like LEGO bricks, the _____ are the bumps that help them snap together.

- A. Colors
- B. Bonds
- C. Boxes
- D. Sounds

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7. What happens if a bond between atoms is very strong?

- A. The atoms float away
- B. The atoms stay glued tight
- C. The atoms disappear
- D. The atoms turn into bubbles

8. True or False: Water is made of different atoms that have bonded together.

- A. True
- B. False

9. Atoms stick together to become _____, which are bigger groups of atoms hooked together.

- A. Mountains
- B. Molecules
- C. Monsters
- D. Markers

10. When two magnets pull toward each other, it's like an ionic bond. Which word describes this pull?

- A. Attraction
- B. Pushing
- C. Sleeping
- D. Hiding