

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

## Answer Key: Stuck Like Glue: Pre-K Tiny Molecule Friends Quiz

Children develop spatial reasoning and social-emotional connections by observing how classroom 'friendships' model the way tiny objects hold hands to stay strong.

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**1. If two blocks have sticky tape on them and they touch, what happens to them?**

**Answer:** B) They stick together and stay in one piece

Just like tiny atoms, when things 'stick' together, they form a bond that keeps them from falling apart.

**2. True or False: When we hold hands in a circle, we are making a 'bond' just like tiny molecules do!**

**Answer:** A) True

Holding hands is a great way to show how atoms connect to each other to make bigger things.

**3. When you use \_\_\_\_\_, you are helping two pieces of paper stay stuck together forever.**

**Answer:** C) Glue

Glue acts like a bridge that creates a strong connection, similar to a chemical bond.

**4. Look at your LEGO bricks! To keep them from falling over, you have to \_\_\_\_\_ them together.**

**Answer:** A) Snap

When parts 'snap' or lock together, it models how atoms find a stable place to stay joined.

**5. True or False: Adding more friends to a game of 'Ring Around the Rosie' makes the circle smaller.**

**Answer:** B) False

Adding more connections (atoms) usually makes the group or molecule grow larger!

**6. If you want to build a very strong bridge with your friends, you should \_\_\_\_\_ hands tightly.**

**Answer:** C) Hold

Holding tight represents a strong bond that takes effort to pull apart.

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**7. Which toy uses a special 'pull' to stick together, even through a piece of paper?**

**Answer:** C) A magnet

Magnets show how invisible forces (like ionic bonds) can pull things together.

**8. True or False: If we pull very hard on our 'friendship circle,' the bond might break.**

**Answer:** A) True

Bonds can stay together, but if there is too much energy or pulling, they can break apart.

**9. Think of a Peanut Butter and Jelly sandwich. The bread stays together because the jelly is \_\_\_\_.**

**Answer:** B) Sticky

Stickiness is a relatable way for Pre-K students to understand the 'glue' that holds atoms into molecules.

**10. If you have a big pile of loose sand, does it have a strong bond like a rock?**

**Answer:** B) No, it falls through your fingers

Loose sand doesn't have the same permanent connections as a solid rock, showing the difference in how things stay together.