

Name _____

Tiny Particles, Big Changes

Open-Ended Response Answer Key

1. Atoms make up molecules like letters make up words. Different combinations create different results.
2. Then no new substances would form, and things like cooking or rusting wouldn't happen.
3. Scientists need to understand how substances change, so they can create new medicines, fuels, or materials.
4. Sample: "I saw fireworks change colors. I think that's a chemical change because new things are formed and it can't be reversed."

