

Name: _____

- Read through both scenarios
- Choose the scenario you think follows the Engineering Design Process the best. Circle the number.
- Explain why the one you chose will work better than the other.
- Please write your response in complete sentences.

Scenario 1: Fixing the School Playground

Sara and her friends love playing on the school playground. But one day, they noticed the slide was broken, and the swings were squeaky. Sara suggested they use the engineering process to fix the playground. First, they gathered information by asking the teachers and other students about the problems. Next, they brainstormed ideas on how to fix the slide and the swings. Then, they decided to get the right tools and materials. Finally, they worked together to fix the slide and oil the swings. Everyone was happy to have a fun and safe playground again.

Scenario 2: Building a Birdhouse

Ms. Johnson's class loves watching birds during recess. One day, they decided to build a birdhouse to attract more birds to their schoolyard. They quickly drew a picture of a birdhouse on the whiteboard. Then, without doing any research or planning, they grabbed some random pieces of wood and started hammering them together. They didn't measure the wood or use the right nails. When they were done, the birdhouse was lopsided and had sharp edges. The birds didn't visit the birdhouse, and the class was disappointed.
