

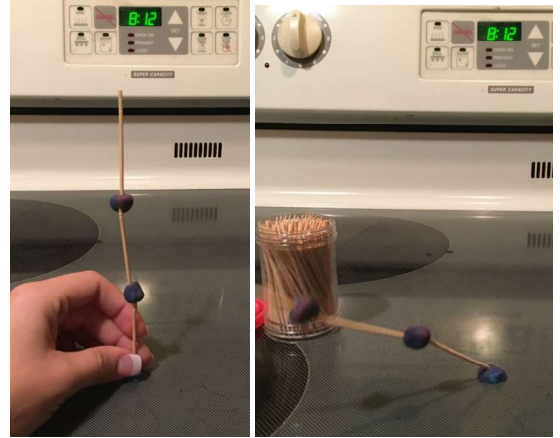
Name \_\_\_\_\_

# STEM

## Design Problem Investigation

**Challenge: Build a tower 1 foot tall using playdough and toothpicks.**

Sam used small balls of playdough to connect the toothpicks one on top of another, but it fell down once it was just 3 toothpicks tall.



Why won't Sam's tower stand up?

### 1. Hypothesis

Why do you think Sam's tower won't stand up?

### 2. Test

Correct Sam's problem by building a tower that will stand. Draw a picture of your tower:

### 3. Conclusion

Were you able to make your tower stand?  
What worked and what did not?