Brainstorming for Engineering Projects Using SCAMPER

Name: _____ Date: _____

Directions: Write down or draw your ideas for each step of the SCAMPER process. Draw on the back of this page if you need more space.

S **Substitute:** what other materials could you make this item out of to improve it?

C **Combine:** what would happen if you combined this item with something else?

A **Adjust:** how could you make a slight change to it?

M **Modify:** how could you make a major change to the object? Make it bigger? Smaller? Change its shape?

P **Put to other uses:** what else could you use this object for?

E **Eliminate:** what would happen if you eliminated or removed parts of the object?

R **Rearrange:** what if you moved the parts around or switched them?