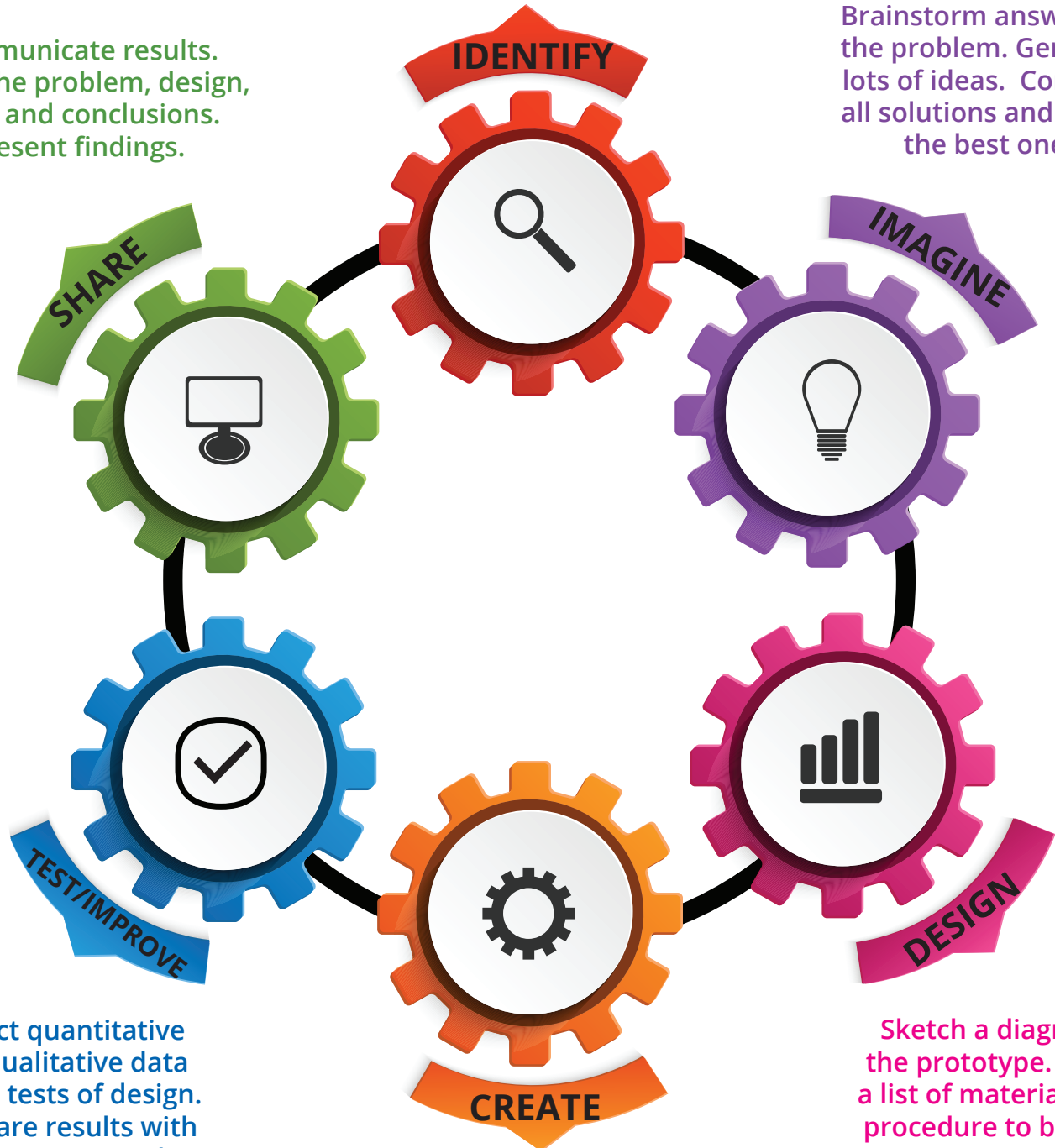


# Engineering Process

Identify the problem and how it affects people. Think locally, nationally, and globally.

Brainstorm answers to the problem. Generate lots of ideas. Consider all solutions and select the best one.

Communicate results. Share the problem, design, data, and conclusions. Present findings.



Sketch a diagram of the prototype. Create a list of materials and a procedure to build the prototype. Discuss the desired results.

Build the prototype according to design plan and procedures.

Collect quantitative and qualitative data during tests of design. Compare results with expectations. Make needed changes for improvement.





Identify the problem.



Brainstorm solutions.



Diagram the prototype.

List Materials \_\_\_\_\_

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Write out the steps. \_\_\_\_\_

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\_\_\_\_\_

Describe the outcome \_\_\_\_\_



Test 1	Test 2	Test 3

What worked and what needs to change for success? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_