**Activity Pre/Post-Quiz**

1. List as many properties of matter as you can. Give a brief definition of each as you can.
2. Think of a material, object, or fluid. List two physical properties. Tell how the physical properties affect how we use it.
3. List two properties needed in a good smartphone case. How can our knowledge of properties help us create a better smartphone case?
4. What is a tessellation?

1. Draw, label, and explain what you believe to be the geometric shape that would be the best example of strength related to its shape.

1. How can that knowledge be used to create a better cell phone case?
2. What does a materials engineer do?
3. List or draw the steps of the engineering design process.