Name _____ Date_____

Virtual Lab Activity 6.1

Materials

1. **Observe** Watch the Materials animation. Give a brief description of the characteristics used to classify and group both natural and synthetic materials. Explain how engineers incorporate different materials into their designs. List and describe the types of materials available.

2. **Execute** Research and record new and emerging types of materials that are currently in development. Choose three different types of materials. Test the tensile, compressive, shear, deformation, and yield strength for each of the chosen materials. Record the results for each material.

Copyright © McGraw-Hill Education.