List two composites applications that are new to you.
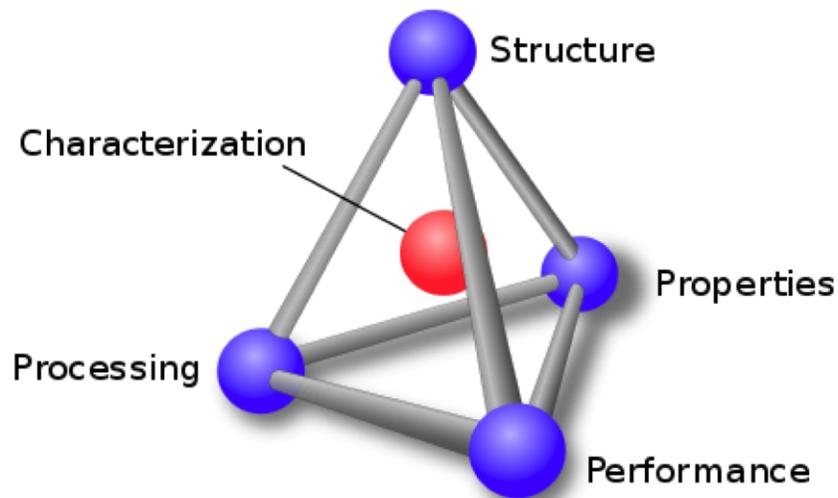
    1.

    2.

Why do we need to make composites?

What's the difference between a bundle of fibers and a composite when it comes to the failure of one fiber?

Remember that we learned that the Young's modulus, E, of a materials is equal to the ratio of stress over strain (σ/ε). If your matrix phase ($V_m = 0.5$) has a modulus of 10 GPa and your fibers ($V_f = 0.5$) have a modulus of 20 GPa, what is the modulus of the composite?

Which parts of the materials science tetrahedron do composites fall under?