

M16 Concept Question 1

Which of the following quantities/properties would you expect to be most important in determining the "ideal" (maximum achievable) strength of a material?

1. **The maximum force that can be carried by the interatomic bonds**
2. The stiffness of the interatomic bonds
3. The melting temperature of the interatomic bonds
4. The density of the material
5. The crystal structure/atomic packing
6. Some other answer
7. I do not know, I do not understand