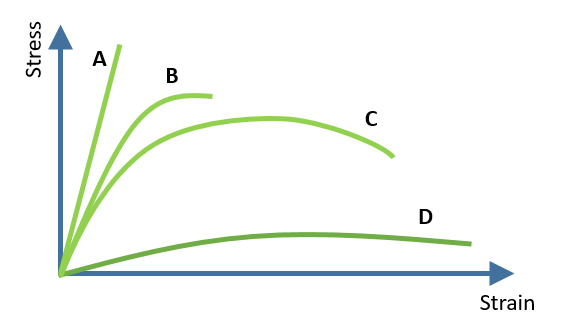
**Post-Activity Assessment Answer Key**

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1. Given the figure, what does the x-axis represent?  
   🔾 stress  
   ✪ strain
2. Given the same figure, what does the region A (between the origin and point B) represent?  
   🔾 ductile strength  
   🔾 load  
   ✪ Young’s Modulus
3. Given the same figure, what does point D represent?  
   🔾 yield point  
   ✪ fracture point  
   🔾 load
4. Given the same figure, what does point B represent?  
   🔾 fracture point  
   🔾 Young’s Modulus  
   ✪ yield point
5. Given the same figure, if the *x*-axis represents *strain*, what does the *y*-axis represent?  
   🔾 force  
   🔾 displacement  
   ✪ stress
6. Given the figure to the right, match the properties to the material:  
     
   D plastic  
     
   A brittle  
     
   B strong, but not ductile  
     
   C ductile
7. Force per unit area that results from a load applied to a material defines:  
   ✪ stress  
   🔾 strain
8. Which is calculated by dividing the change in length of the material by the original length of the material?  
   🔾 stress  
   ✪ strain
9. What are the units for stress?  
   ✪ N/m2🔾 Nm2  
   🔾 N/m  
   🔾 Nm
10. Which of the following factors does NOT affect the stress on a wire?  
    🔾 diameter of the wire  
    ✪ original length of the wire  
    🔾 load placed on the wire  
    🔾 cross-sectional area of the wire
11. Ceramics are brittle:  
    ✪ True  
    🔾 False
12. What is the best description of a stress-strain curve for ceramics?  
    🔾 parabola opening up  
    ✪ line  
    🔾 parabola opening down
13. Ceramics are ductile:  
    🔾 True  
    ✪ False