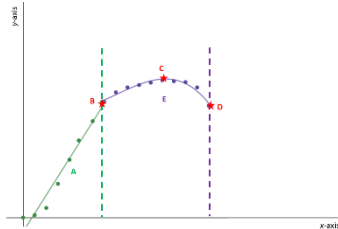


Name: _____ Date: _____ Class: _____

Post-Activity Assessment

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

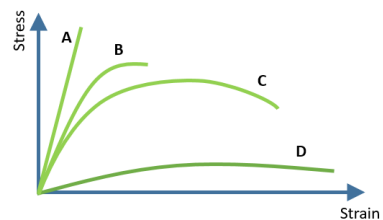
6. Given the figure to the right, match the properties to the material:

_____ plastic

_____ brittle

_____ strong, but not ductile

_____ ductile



7. Force per unit area that results from a load applied to a material defines:
- stress
- strain

Name: _____ **Date:** _____ **Class:** _____

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/m^2
 - Nm^2
 - 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