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Score: 2/10 (20.00%)

Code: 3368

1. What is the ratio between the change in dimension to its original dimension of the substance?

- A) Stress  
C) Poisson's ratio (Incorrect)      B) **Strain**  
D) Factor of safety

A) Tensile stress/Tensile strain

C) **Volumetric stress/Volumetric strain**

B) Compressive stress/Compressive strain (Incorrect)

D) Shear stress/Shear strain

2. What is the unit of strain?

- A) Kg/cm<sup>2</sup> (Incorrect)      B) Newton/metre<sup>2</sup>  
C) Metre      D) **No unit**

7. Which law states that within elastic limit stress is directly proportional to strain?

- A) Newtons law (Incorrect)      B) **Hooks law**  
C) Joules law      D) Charles law

3. What is the ratio of change in length to original length?

- A) **Linear strain**      B) Lateral strain  
C) Volumetric strain      D) Poisson's ratio (Incorrect)

8. What is the term used for maximum stress attained by a material before rupture?

- A) Tensile stress (Incorrect)      B) Compressive stress  
C) Working stress      D) **Ultimate stress**

4. Which one is the ratio of stress?

- A) **Load and area**      B) Load and direction  
C) Load and diameter (Incorrect)      D) Load and time

9. What is the ratio of ultimate load to area of original cross section?

- A) Factor of safety      B) Yield point  
C) **Ultimate stress (Correct)**      D) Youngs modulus

5. Which force acts on rivets?

- A) Tensile force      B) Compressive force (Incorrect)  
C) **Shear force**      D) Bending force

10. What is the ratio between stress and strain?

- A) Yield point      B) Factor of safety  
C) **Youngs Modulus (Correct)**      D) Poisson's ratio

6. What is the formula for bulk modulus?