

The Wolf Mutts Battle Sheet Questions

1. Name and explain 2 strategies used to create Earthquake-Proof Buildings and explain each strategy. (4 damage)

2. What is the difference between Shear strength and tension strength? (2 damage)

3. What is the Buckling? (1 damage)

4. What are the pros and cons of

❖ *buckling?* (2 damage)

❖ *Torsion?* (2 damage)

5. How would you create a structure that has high compressive strength? Explain. (2 damage)

6. Describe 1 example of how Allah has built strong, but light. (1 damage)

7. (a) How do you humans build strong, but light when using heavy metal beams? (1 damage)

(b) Name and draw 4 examples of these beams. (4 damage)

8. What is the weakest part of a structure? (1 damage)

9. Provide 2 examples of mobile joints and 2 examples of rigid joints. (4 damage)

10. (a) What are the 2 types of glue. (2 damage)

(b) Explain the difference between these types of glue. (2 damage)

(c) How does glue differ from Welding & Soldering? (3 damage)

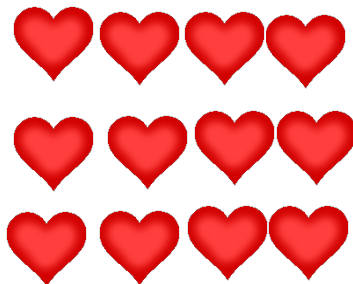
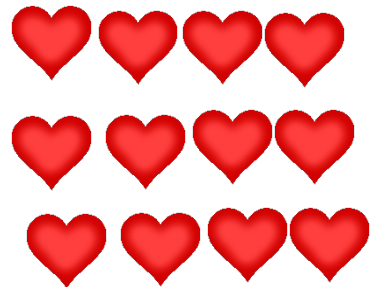
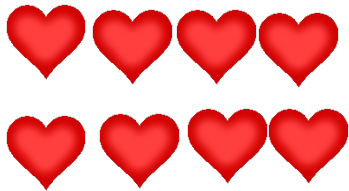
11. Identify how friction is needed to build and strengthen...

❖ Frame Structures (1 damage)

❖ Mass Structures (1 damage)

12. Provide an example of how a weak structure could be made super strong simply by changing the shape of the material. You must include the name of the strategy. (2 damage)

Monster Battle Sheet (300XP Max)



Your Health Meter

