

QUESTIONS - Autobody

Theory

Using the information in i:\wellwood\mechanics\autobody.html, the internet and other sources to answer the questions below.

There are NO Partial Marks - when it says "describe" – DESCRIBE

1. What are the seven stages to painting a vehicle?
 - a.
 - b.
 - c.
 - d.
 - e.
 - f.
 - g.

2. What is the difference between good work and awesome work?

3. What are three ways you can keep track of the parts you remove as you disassemble the vehicle?
 - a.

- b.
 - c.
4. Research the vehicle you own RIGHT NOW. What are four of the worst rust spots for this vehicle?
- a.
 - b.
 - c.
 - d.
5. What are three tools used for removing rusty metal panels?
- a.
 - b.
 - c.
6. Three tools are used in forming replacement panels. Describe WHAT they DO, and HOW you would use it to form a patch on an old VW Beetle fender (check out www.eastwoodco.com).
- a. English Wheel
 - b. Shrinker

- c. Stretcher
7. What is the advantage for attaching replacement panels in each of the following ways:
- a. Rivets
 - b. Structural Adhesive
 - c. Lap Welding
 - d. Butt Welding
8. Locate a Material Safety Data Sheet (MSDS) on Phosphoric Acid and answer the following questions:
- a. What safety equipment should be worn when handling Phosphoric Acid?
 - b. What should you do if you get Phosphoric Acid in your eyes?
 - c. What should you do if you accidentally ingest Phosphoric Acid?
 - d. How much Phosphoric Acid will it take to be fatal?
9. Why should a body hammer be held so daintily?

10. How is a dolly used?
11. Why must you always use a dolly when removing dents?
12. What are two ways of shrinking metal?
 - a.
 - b.
13. Why would you need to shrink metal?
14. How is a slide hammer used?
15. What is the best way to find imperfections in a vehicle body?
16. What is a guide coat?
17. How does using a guide coat work?
18. Newspaper should never be used to mask a vehicle for painting – why not?
19. What grit of sandpaper should you use for sanding?

20. Why must Wax & Grease remover always be used before painting?
21. What is the advantage of using a high-build primer?
22. When do you not need to use a primer?
23. What is the difference between an HLVP spray gun and a regular gun?
24. Research the different brands of spray guns below. Given the choices, which brand would you choose and why?
- a. Sata
 - b. Binks
 - c. DeVilbiss
 - d. Sharpe
25. What is the advantage of the following paints?
- a. Lacquer
 - b. Enamel
 - c. Urethane
 - d. Waterbourne

26. What is the disadvantage of the following paints?
- a. Lacquer

 - b. Enamel

 - c. Urethane

 - d. Waterbourne
27. Why must paint be run through a strainer prior to spraying?
28. Describe or sketch the technique to properly spray paint with a spray gun
29. Why must you put down a "tack coat" first?
30. Why must you spray edges first?
31. What are three ways to reduce the risk of contacting the paint while spraying?
- a.

 - b.

c.

32. Why are automotive OEM paints so much more durable than any paint done afterward?

33. PPG is a common and highly regarded paint supplier. Go to <http://buyat.ppg.com/refinishProductCatalog/> and check out their Refinish Brands. Pick one that you would use if you were to paint YOUR vehicle, and explain why you chose that one over the others.