

WAYS TO PREVENT RUSTING

Year 5 Science Worksheet • Material Properties & Prevention

Name: _____

Class: _____

Date: _____

Score: ____ / 8

4 KEY WAYS TO PREVENT RUSTING (PRIMARY SCIENCE YEAR 5)



Painting



Applying Oil or Grease



Coating with Material



Plating with Material

Part 1: Fill in the Blanks

Use the Word Bank to complete each sentence.

WORD BANK

Painting

Applying oil or grease

Coating with a layer of rustproof material

Plating with a layer of rustproof material

- Outdoor iron gates and metal fences are commonly protected from rain and air by _____. Easy
- Bicycle chains and machine gears are kept moving smoothly and rust-free by _____. Easy
- Covering a metal tool handle with a thick layer of rubber or plastic is an example of _____. Medium
- Bonded protection, such as binding steel food cans or car rims with a thin layer of tin or chromium, is called _____. Medium

Part 2: Matching Activity

Match each scenario in Column A with the correct rust prevention method in Column B.

Column A (Scenario)

Column B (Method)

- | | |
|---|---|
| ☐ 1. A metal park bench painted in blue Easy | A. Applying oil or grease |
| ☐ 2. A shiny, chromium-covered car bumper Medium | B. Coating with a layer of rustproof material |
| ☐ 3. A metal dish drying rack wrapped in thick plastic Medium | C. Painting |
| ☐ 4. Door hinges that need smooth movement Easy | D. Plating with a layer of rustproof material |