



RUSTING

Name: _____

1. The pictures below show three types of rods made of different materials.

iron rod

plastic rod

wooden rod

a) Which of the rods above can rust and cannot rust ?

Rod that rust: _____

Rod that do not rust: _____

b) Give reasons for (a).

Objects made of _____ can rust.

2. Observe the picture shown and answer the following questions.

a) What can you observe on the objects?

The objects are _____ (rusty/not rusty).



b) Tick the characteristics of the objects.

shiny

brittle

smooth surface

reddish-brown

durable

rough surface

c) What are the factors that cause this situation to occur?

Presence of water

Presence of sunlight

Presence of air

3. Observe the picture below.



Suggest a way to prevent rusting for this object.

Give a reason for your answer.

Prevent the chain from being exposed to _____ and _____.



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4. The table below shows the results of an experiment to test the factors that cause rusting.

Test tube	Materials in the test tube
A	needle and tap water
B	needle and oil
C	needle, boiled tap water, and oil
D	needle

a) Which needles in the test tubes became rusty?

Needles in test tube _____ and _____ are rusted.

Why?

They are _____ (exposed/not exposed) to water and air.

b) Which needles in the test tubes did not become rusty?

Needles in test tube _____ and _____ are not rusted.

Why?

They are _____ (exposed/not exposed) to water and air.

c) What can you conclude from this experiment?

Objects that are made of _____ rust when they are exposed to _____ and _____.

5.

Rust prevention benefits everyone. Efforts to prevent rusting should be appreciated.

Based on the above statement, construct a mind map and state the importance of preventing rusting that you have learned.

