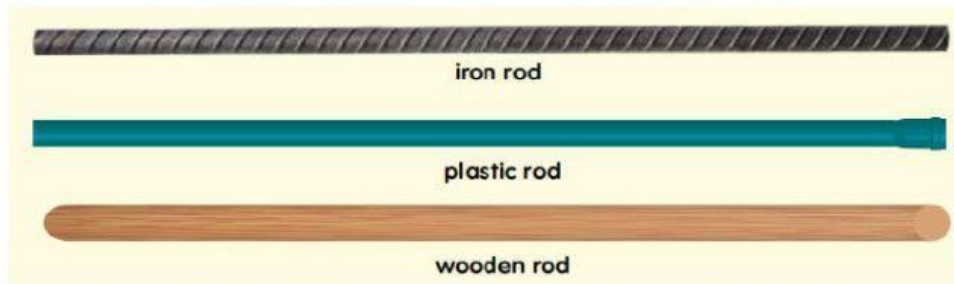


# RUSTING

Name: \_\_\_\_\_

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



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 \_\_\_\_\_.**

# **RUSTING**

4. The table below shows that 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.

<b>Safe to be used</b>	<b>Look pleasant</b>	<b>durable</b>	<b>Look ugly</b>
<b>Easily damaged</b>	<b>Save cost</b>	<b>brittle</b>	<b>Has rough surface</b>

