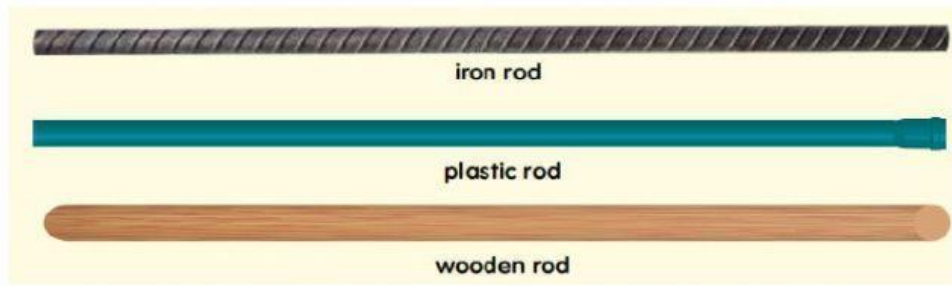


RUSTING

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.

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

