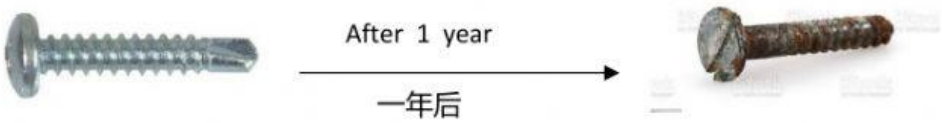
姓名
Name: _____ 日期 **Date: 18.8.2021**

五年级科学

下图显示了螺钉上发生的变化。

The diagram below shows changes that occurs on a screw.



1. 螺丝怎么了? What happens to the screws**?**

_____

2. 制作螺丝的材料是什么? What is the materials used to make the screw**?**

_____

3. 一年后的螺杆有什么特点? 在正确的空格里写 **TRUE**。What is characteristics of the screw after a year**?**Write **TRUE** in the box below.

	表面有一层红褐色。Covered with reddish - brown layer.
	发亮 Shiny
	表面变成粗糙 Has a rough surface
	脆弱 Brittle

4. 举出两个和 1 相同（会生锈）的其他物体的例子。Give **two** examples of other objects that may experience the same thing as in (1).

i. _____

ii. _____

5. 举出两个不会生锈的其他物体的例子。Give two examples of other objects that will not experience the change such as in (1).

i. _____

ii. _____

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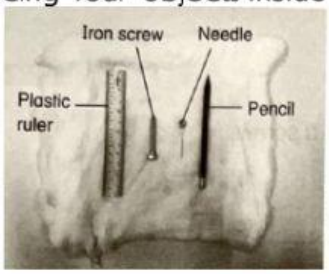
6. 一组学生进行了一项调查，将四个物体放在湿棉花内一周。A group of pupils has carried out an investigation by placing four objects inside a wet cotton roll for a week.



下表显示了他们的观察结果。The table below shows their observations.

物体Objects	观察结果Observation
针 Needle	有一层红褐色的粉末 Covered with reddish-brown layer
铅笔 Pencil	没有改变 No changes
螺丝 Iron screw	有一层红褐色的粉末 Covered with reddish-brown layer
塑料尺 Plastic ruler	没有改变 No changes

7. 根据观察，说明生锈的物体。Based on the observation, state the objects that experience rusting.

_____

8. 根据上面的答案，写出原因。Give a reason for your answers in (7)

_____

9. 使用木尺和铁尺重复这项调查。预测一周后对两个物体的观察结果。This investigation is repeated using a wooden ruler an iron ruler.Predict the observation on both objects after a week.

物体Objects	观察结果 Observation
木尺 Wooden ruler	
铁尺 Iron ruler	

10. 写出在木尺上观察的理由。Give a reason for your observation on the wooden ruler.

_____

11. 根据这个实验，可以得到什么结论？What conclusions can be made based on this investigation?

_____

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