

D. Jawab soalan-soalan berikut berdasarkan eksperimen di bawah.
Answer the following questions based on the experiment below.

Sekumpulan murid menjalankan satu eksperimen untuk menentukan faktor yang mempengaruhi pengkaratan.

A group of pupils conducted an experiment to determine the factors that cause rusting.

Situasi Situation	Pemerhatian Observation
 Lapisan minyak Oil layer Air didih Boiled water Paku besi Iron nail Paku besi direndam di dalam air didih. Iron nail is soaked in boiled water.	Paku P terdedah kepada air, tetapi tiada udara. Iron nail P is exposed to water, but no air. Tidak ada sebarang perubahan pada paku. There is no change to the nail.
 Air paip Tap water Paku besi Iron nail Paku besi direndam di dalam air paip. Iron nail is soaked in tap water.	Paku Q terdedah kepada air dan udara. Iron nail Q is exposed to water and air. Paku berubah warna kepada perang-kemerahan. Iron nail changes colour to reddish-brown.
 Paku besi Iron nail Agen pengering Drying agent Paku besi diletakkan bersama agen pengering Iron nail is put together with the drying agent.	Paku R terdedah kepada udara tetapi tiada air. Iron nail R is exposed to air but there is no water. Tidak ada sebarang perubahan pada paku. There is no change to the nail.

1 Apakah tujuan eksperimen ini?
What is the purpose of this experiment?

2 Tuliskan inferens yang sesuai bagi menerangkan keadaan paku Q.
Write an appropriate inference to describe the condition of iron nail Q.

3 Nyatakan pemboleh ubah yang
State the variables that is

(a) dimanipulasikan :
manipulated :

(b) bergerak balas :
responding :

4 Apakah fungsi agen pengering dalam tabung uji R?
What is the function of the drying agent in test tube R?

5 Apakah kesimpulan yang sesuai bagi eksperimen ini?
What is the appropriate conclusion for this experiment?