PSR 2015

6. (a) Figure 5 shows some areas of Brunei forests being burnt by farmers to grow padi (rice).

This human activity has harmful effects on the environment. Explain how the burning of forests affects:

(i) Our health

_____

_____

_____

[1 mark]

(b) List two things we can do to protect our Brunei forests from being burnt or cut down.

(i) _____

_____

(ii) _____

_____

[2 marks]

PSR 2016

6. Kazimah carried out an experiment to find out if Material A or Material B is a better conductor of heat. The steps taken are shown below.

   Step 1:
   She poured the same amount of water into two cups made of different materials labelled Material A and Material B. Both cups have the same thickness and size.

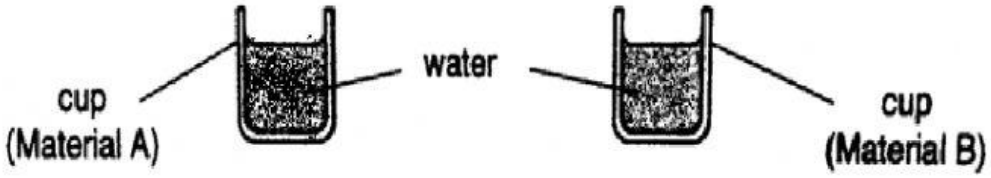

Figure 2a

   Step 2:
   Kazimah placed thermometers in each cup. Next, she heats both cups at the same time with the same amount of heat. Immediately, she recorded the time taken for the water at cup (Material A) and cup (Material B) to reach 80°C.

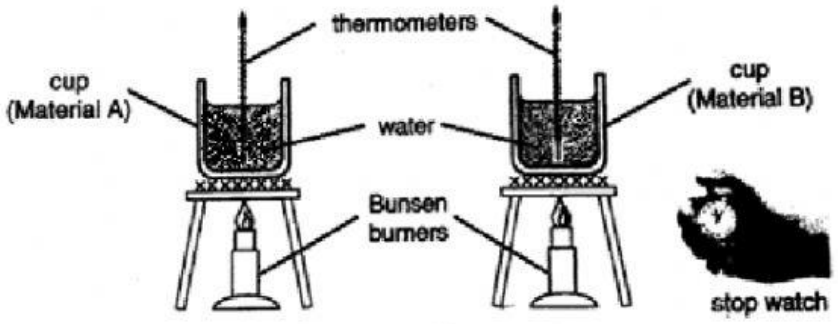

Figure 2b

Study the set-up of the experiment in Figure 2a and Figure 2b.
The result of the experiment is shown in Table 2.

Material	Time taken to reach 80°C (minutes)
A	6 min
B	3 min

(a) In which material did water take a longer time to heat up to reach 80°C?

Material:

_____

[1 mark]

(b) Which material is a better conductor of heat?

Material:

_____

[1 mark]

PSR 2017

6. Figure 3 shows four nails A, B, C and D attached with wax to an iron rod.

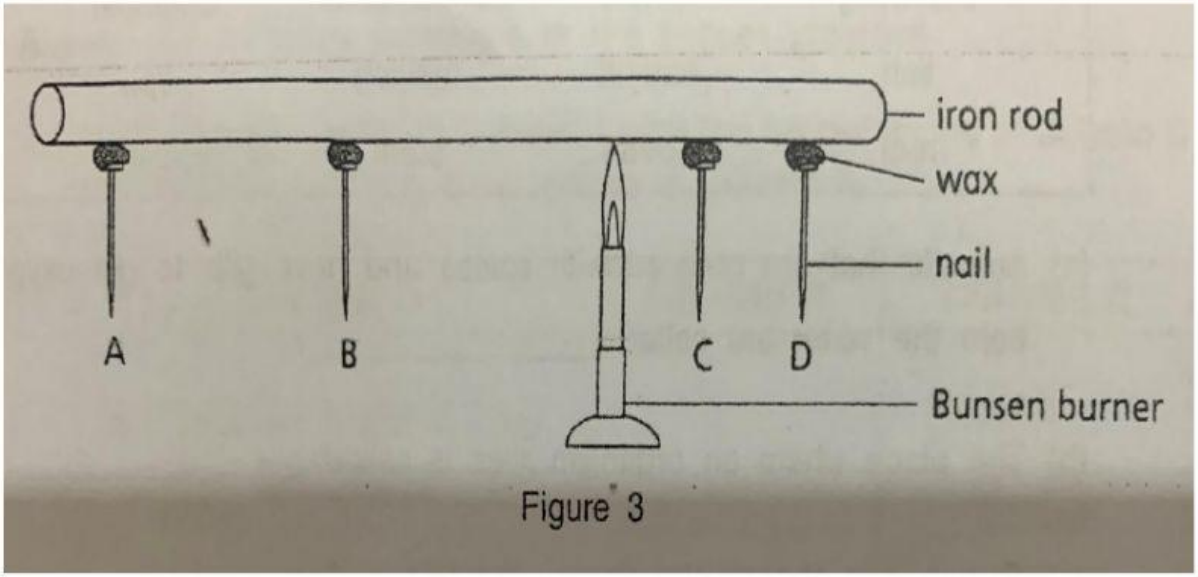

Figure 3

(a) Why is an iron rod used in this experiment and not a wooden rod?

_____.

[1 mark]

6. Harisah carried out an experiment to find out if Material A or Material B is a better conductor of heat. The steps taken are shown below.

   Step 1:
   She poured the same amount of water into two cups made of different materials labelled Material A and Material B. Both cups have the same thickness and size.

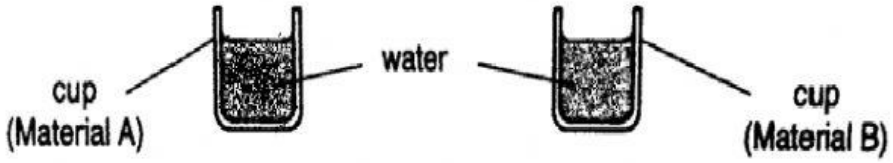

Figure 2a

   Step 2:
   Harisah placed thermometers in each cup. Next, she heats both cups at the same time with the same amount of heat. Immediately, she recorded the time taken for the water at cup (Material A) and cup (Material B) to reach 80°C.

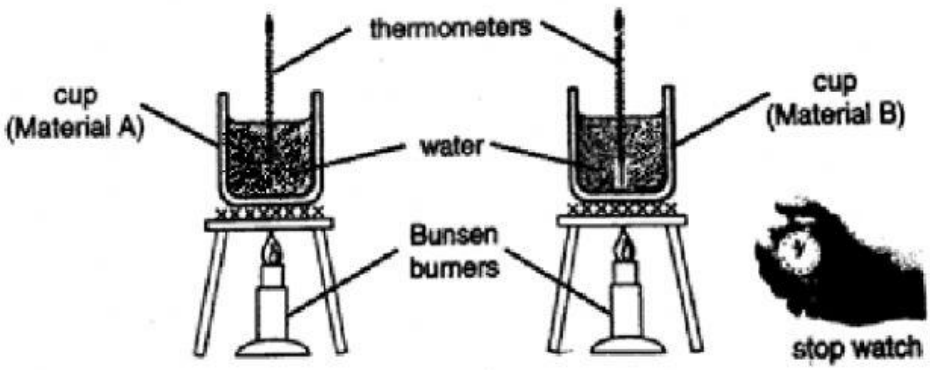

Figure 2b

Study the set-up experiment in Figure 2a and Figure 2b.

The result of the experiment is shown in Table 2.

Material	Time taken to reach 80°C (minutes)
A	6 min
B	3 min

(a) In which material did water take a longer time to heat up to reach 80°C?

Material:

_____

[1 mark]

(b) Which material is a better conductor of heat?

Material:

_____

[1 mark]

6. (a) Hafiz carried out an experiment to find out which material of container will loss heat faster than the other.

He poured a hot water with the temperature of 80°C to both containers at the same time. Figure 3 shows what happened after 15 minutes.

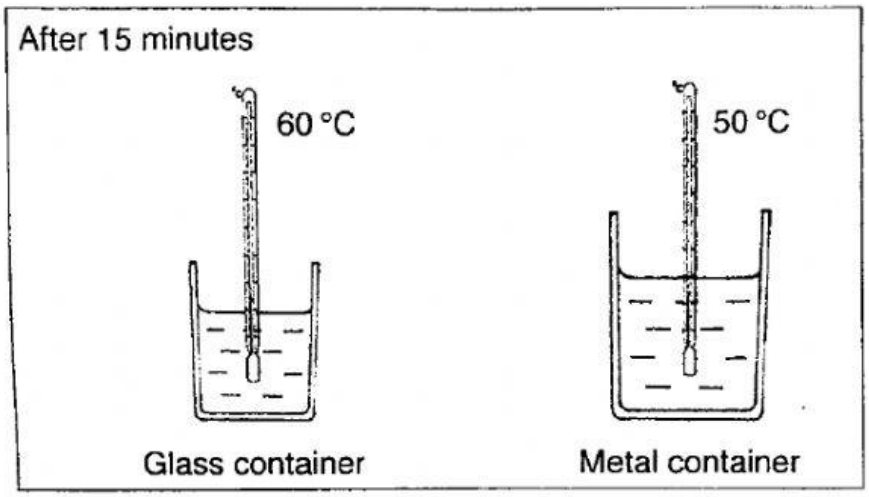

Figure 3

i. From the result of the experiment in Figure 3, which material of container lost heat faster?

_____ [1 mark]

ii. List two sources of heat.

1. _____

2. _____ [2 marks]

(b) Table 1 shows the properties of two different materials.

Properties of Material 1	Properties of Material 2
- Conducts heat slowly - Solid - Not attracted by a magnet	- Conducts heat quickly - Solid - Attracted by a magnet

Table 1

Study and compare the materials in Table 1. What is the type of materials it is made from?

i. Material 1 : _____

ii. Material 2 : _____ [2 marks]

PSR 2015

7. Figure 6 Shows asteroids in the Solar System.

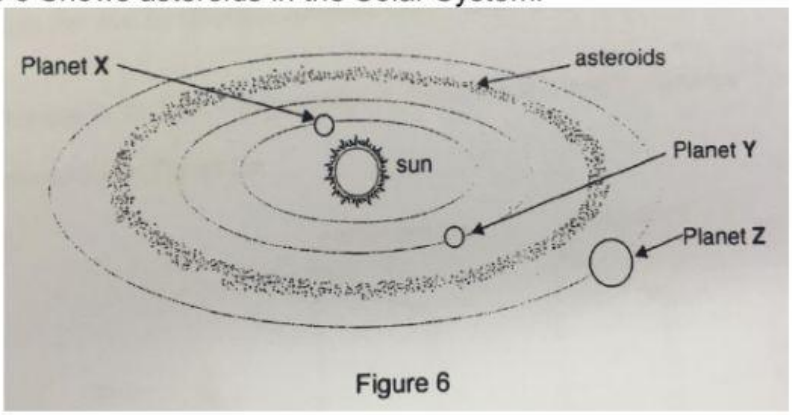

Figure 6

i. Write down the name of the planets:

Planet Y: _____

Planet Z: _____

ii. How long does the Earth to make one revolution around the Sun?

_____