4. Figure 4.1, shows a habitat.



Figure 4.1

(a) What is the **second user** in the habitat in Figure 4.1?

_____

[1 mark]

(b) Based on a habitat in Figure 4.1, construct **one** food chain.

_____

[1 mark]

(c) Construct a food web based on the Figure 4.1

[1 mark]

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(d) Figure 4.2 shows a food chain in oil palm plantation.

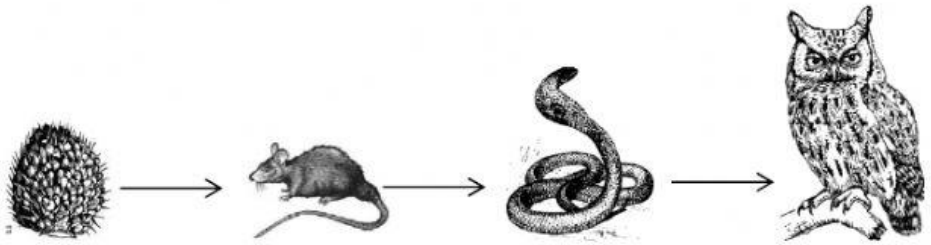


Figure 4.2

A farmer had killed all the rats by using poison. What will be happen to the number of snakes? Give reasons.

Number of snakes : _____

Reason : _____

_____

[2 marks]

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5. Figure 5.1 shows the sources of energy.

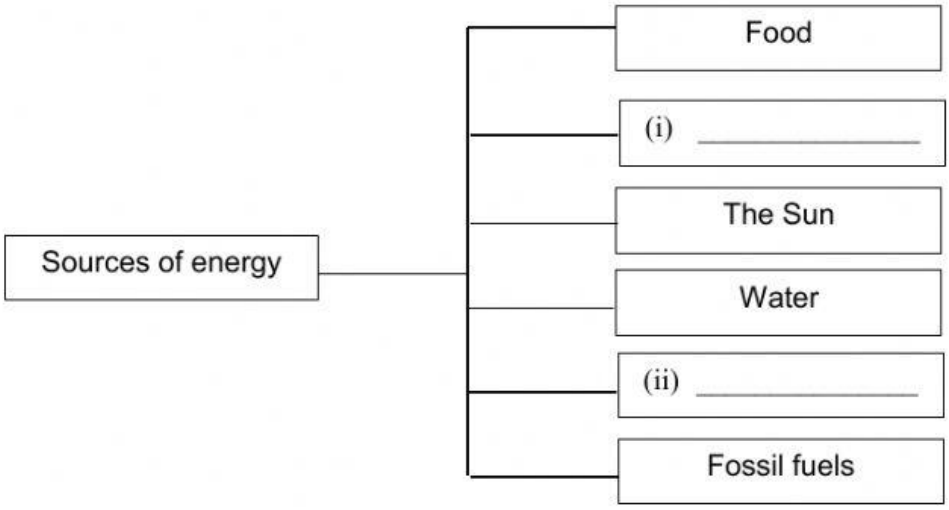


Figure 5.1

(a) Complete Figure 5.1 with another **two** type of sources of energy.

[2 marks]

(b) What is energy?

_____

_____

[1 mark]

(c) State the importance of energy to the living things.

._____

_____

[1 mark]

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6. There are various sources of renewable energy and non-renewable energy.

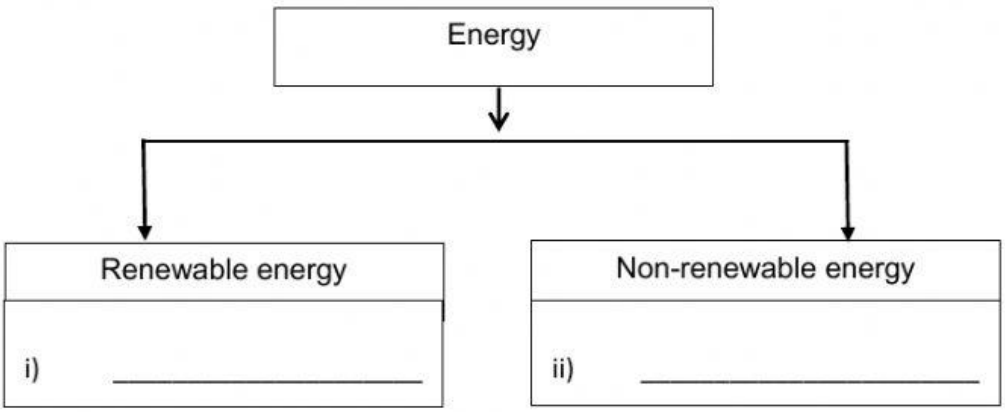


Figure 6.1

(a) State examples of energy in 6 (i) and 6 (ii) in Figure 6.1 above.

[2 marks]

(b) Why renewable energy source is better than non-renewable energy?

_____

_____

[1 mark]

(c) State the sources of energy that do not pollute the environment.

_____

[1 mark]

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(d) Energy can be changed from one form to another. State the energy changes in the following electrical equipment.



i. _____

[1 mark]



ii. _____

[1 mark]

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7. Table 2 shows the result obtained from an investigation by a group of students.

Animals	The number of eggs produced at one time
R	6-10
S	200 - 300

Table 2

(a) What is observation can be made in this investigation?

_____

_____

[1 mark]

(b) Give **a** reason (inference) about the difference between the number of eggs produced by animal R and animal S.

_____

_____

[1 mark]

(c) State **two** information in this investigation.

i. _____

ii. _____

[2 marks]

(d) What is animal R?

Animal R : _____

[1 mark]

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8. Table 3 shows the amount of petroleum from oil wells over the three years.

Year	Production of petroleum (in thousands of barrels per year)
2010	400
2012	350
2014	300

Table 3

(a) What is the **trend** in production of petroleum (in thousands of barrels per year)?

_____

[1 mark]

(b) Predict the production of petroleum in year 2016.

_____

[1 mark]

(c) What is the relationship *(hypotheses)* between the number of year and production of petroleum in this investigation?

_____

_____

[1 mark]

(d) State the constant variable *(What to keep same)* in this investigation.

_____

[1 mark]

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(e) Based on Table 3, create a bar chart to show the relationship between the number of year and production of petroleum.

[2 mark]

END OF QUESTIONS

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