

Subject : Science
Grade : Grade 9
Term : 2nd Term
Unit : 12 - Bio Diversity
Learning outcomes : **Adjusted to cover 1.6 competency level**

- Conduct simple activity to demonstrate the concept of biodiversity.
- Describe the importance of Bio diversity.
- Explain threats to Bio diversity.
- State the important features of eco systems.
- List major eco systems in Sri Lanka
- Identify the importance of biodiversity for existence of our planet.

Activity 1

Namal is a Grade 9 student and will be presenting paintings from 4 different locations in his garden under the theme "Biodiversity" for the Environment Day.



Fill in the blanks below using the diagrams above.

- (i) Suggest a common name to name all of the diagrams above.

.....

- (ii) Name 3 main factors if one system is considered.

.....

.....

.....

- (iii) There are various kinds of fish in a pond. What is the term used to define the diversity between them?

.....

- (iv) What is the reason for the diversity between organisms?

.....



(v) 4 main features could be seen if one of the above systems is considered. What are they?

1.
2.
3.
4.

(vi) Mention 3 interactions that could occur in a pond.

1.
2.
3.

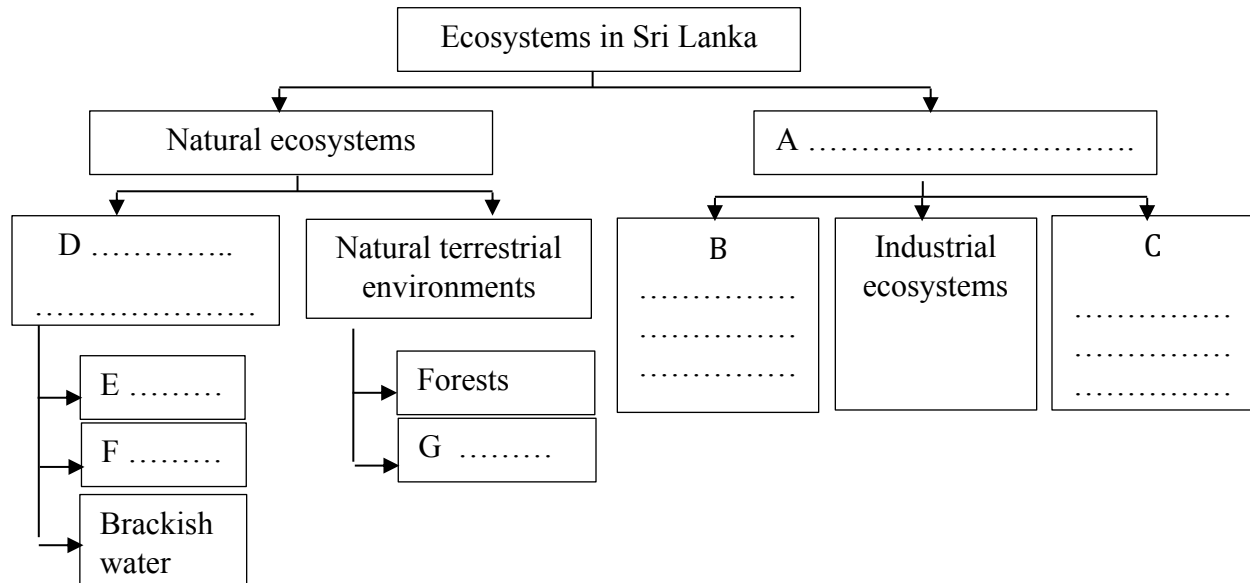
(vii) State an ecosystem with highest bio diversity.

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<https://youtu.be/FRHXWS2LioQ> - Use the link to watch the video.

Activity 2

Following is a chart on ‘classification of ecosystems in Sri Lanka’ prepared by a grade 9 student to be displayed on class wallpaper.



(i) Name A, B, C, D, E, F, G in the above chart.

- | | |
|-----------|-----------|
| A - | D - |
| B - | E - |
| C - | F - |
| | G - |

(ii) Write an importance of E and F environments.

E -

F -

(iii) Name the type of forest which receive rainfall over 2000mm and write 2 importance of it.

.....

Importance 1.

2.

(iv) Write 2 features of montane forests.

1.

2.

(v) Name the 4 types of grasslands found in Sri Lanka.

1.

2.

3.

4.

(vi) Write 2 issues that may arise in an ecosystem.

1.

2.

(vii) What are the harmful effects of an industrial ecosystem?

1.

2.

3.

4.

(viii) Write 2 differences between 'B' ecosystem and natural ecosystem (forests).

B	Natural ecosystem (forests)
1.	1.
2.	2.
3.	3.
4.	4.

Summary

